nationalgrid

James F. Morgan
Lead Senior Environmental Engineer
Environmental Department

October 18, 2013

Mr. Anthony Karwiel
Remedial Bureau C, 11th Floor
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

Re: National Grid
Hiawatha Boulevard Former MGP Site
Syracuse, New York
Site No. 734059
Finalized Construction Completion Report

Dear Mr. Karwiel:

Please find the enclosed finalized Construction Completion Report (CCR) for the in-situ soil solidification remedial action performed at the Hiawatha Boulevard former manufactured gas plant (MGP) site. The report summarizes the remedial work performed from February 2012 through October 2012 to address soil containing coal tar from former MGP operations. The CCR has been stamped and signed by a Professional Engineer (P.E.) licensed in the State of New York. An electronic copy of the CCR in portable document format (PDF) is provided on the attached compact disc.

The CCR was initially submitted to the New York State Department of Environmental Conservation (NYSDEC) and United States Environmental Protection Agency (USEPA) in "draft" format on August 14, 2013. The report was revised to address USEPA comments discussed during a September 24, 2013 telephone conference call attended by the USEPA, NYSDEC, National Grid, and ARCADIS. The revised "draft" CCR was e-mailed to the NYSDEC and USEPA on September 26, 2013. Based on USEPA's September 27, 2013 e-mail approval of the revised "draft" CCR, ARCADIS finalized the document and e-mailed a PDF copy to the NYSDEC and USEPA later that day. The NYSDEC provided approval of the final CCR in e-mail correspondence dated September 30, 2013.

Please do not hesitate to call me at (315) 428-3101 if you have any questions or require additional information.

Sincerely,

James F. Morgan
Lead Senior Environmental Engineer

cc: Mark Granger, USEPA (1 hard-copy and CD via U.S. Mail)
George Heitzman, P.E., NYSDEC (CD via U.S. Mail)
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Construction Completion Report

In-Situ Soil Solidification Remedial Action
Hiawatha Boulevard Former MGP Site
Syracuse, New York
NYSDEC Site No. 734059

September 2013

Construction Completion Report

In-Situ Soil Solidification
Remedial Action
Hiawatha Boulevard
Former MGP Site
Syracuse, New York

Prepared for:
National Grid

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Our Ref.:
B0036693

Date:
September 2013

Certification

I, John C. Brussel, P.E., certify that I am currently a New York State registered professional engineer and I had primary direct responsibility for the implementation of the remedial action performed at the Hiawatha Boulevard Former manufactured gas plant (MGP) site ("the site") from February 2012 through October 2012. Based on my inquiry of the persons under my direction and involved in coordinating and observing the remedial action summarized herein, I certify that these activities were implemented in substantial conformance with the following:

- The Order on Consent ("Consent Order") between Niagara Mohawk and the New York State Department of Environmental Conservation (NYSDEC) (Index No. A4-0473-0000, signed by NYSDEC on November 7, 2003).
- The NYSDEC document titled "DER-10 Technical Guidance for Site Investigation and Remediation," (DER-10) issued on May 3, 2010.
- The Record of Decision (ROD) issued by the NYSDEC and United States Environmental Protection Agency (USEPA) on March 31, 2010.
- NYSDEC-approved *Remedial Design* (ARCADIS, September 2011) ("the RD") and the modifications described in this report.

The data submitted to the NYSDEC demonstrate that the remediation requirements set forth in the RD, modifications, and applicable statutes and regulations have been achieved in general accordance with the timeframes established in these documents.

All documents generated in support of this report have been submitted in accordance with Division of Environmental Remediation's (DER's) electronic submission protocols and have been accepted by the Department.

All data generated in support of this report have been submitted in accordance with the NYSDEC's electronic data deliverable (EDD) and have been accepted by the Department.

John C. Brussel 9/27/13

John C. Brussel, P.E.
NYS PE License No. 075208

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1. Introduction/Background

This Construction Completion Report (CCR) has been prepared on behalf of National Grid by ARCADIS to summarize the remedial activities (referred to herein as the remedial action) conducted by National Grid at the Hiawatha Boulevard former manufactured gas plant (MGP) site (the site; Figure 1) to address soil impacts from historical site operations. The impacts were generally related to by-products associated with the former MGP (primarily coal tar). The remedial action was performed by LAND Remediation, Inc. (LAND) of Averill Park, New York from February 2012 through October 2012. ARCADIS provided a full-time onsite project coordinator to observe and monitor implementation of the remedial action and LAND subcontracted an independent third party full-time onsite sampling technician to conduct air monitoring and implement health and safety (Colden Corporation). The New York State Department of Environmental Conservation (NYSDEC) provided weekly onsite observation. The existing site layout and limits of the former MGP are shown on Figure 2 (refer to the bold/dashed black line for the MGP limits).

This report was prepared in general accordance with Section 5.8(b) of the NYSDEC document titled "DER-10 Technical Guidance for Site Investigation and Remediation," (DER-10) issued on May 3, 2010. The remedial action was performed in accordance with:

- The existing Order on Consent (Index No. A4-0473-0000) between National Grid and the NYSDEC
- The *Record of Decision* (ROD; NYSDEC, March 2010)
- The NYSDEC-approved *Remedial Design* (ARCADIS, September 2011b)
- A February 24, 2012 letter from the NYSDEC to National Grid approving the reduction of in-situ soil solidification (ISS) area (Appendix A).

The remedial action performed at the site included, but was not limited to, the following activities:

- Conducting various site preparation activities, including the excavation, stockpiling (for later re-use), or offsite disposal of subsurface material to approximately 4 feet below ground surface (bgs). The excavation was performed, in part, to provide space for ISS bulking (i.e., to manage the increased soil volume resulting from mixing ISS reagents into the soil).
- Excavating historical MGP- and non-MGP-related piping. Approximately 24 tons of historical piping with non-friable and friable asbestos pipe wrap were transported offsite for disposal, and 41 tons of historical piping were transported offsite for recycling.

- Performing ISS to treat approximately 9,673 cubic yards (CY) of subsurface soil from approximately 4 to 22 or 24 feet bgs within an area impacted with coal tar dense non-aqueous phase liquid (DNAPL) and/or polycyclic aromatic hydrocarbons (PAHs) at concentrations greater than 500 parts per million (ppm) as shown on Figure 3.

- Excavating ISS bulked material to approximately 4 feet bgs and transporting the material for offsite disposal. Approximately 4,594 tons of bulked material was transported offsite for disposal.

- Collecting the following samples: (1) a water sample following removal and onsite pre-treatment to evaluate handling requirements (onsite or offsite treatment/discharge); (2) soil/grout slurry samples to evaluate if the solidified material was meeting performance criteria; (3) soil samples to evaluate potential re-use of certain excavated material as backfill; and (4) waste characterization soil and pipe wrapping samples to evaluate offsite treatment/disposal of materials.

- Removing a mixture of water/non-aqueous phase liquid (NAPL) from two onsite monitoring wells. Approximately 10 gallons of water/NAPL were transported offsite for thermal treatment.

- Performing onsite pre-treatment of wastewater generated from excavation dewatering and equipment decontamination. Approximately 4,612 gallons of wastewater were pre-treated and discharged to the Metropolitan Sewage Treatment Plant (Metro STP) for final treatment.

- Screening certain excavated (non-impacted) topsoil and sub-base for re-use as backfill.

- Backfilling excavations using re-use soils from the site that met applicable soil cleanup objectives (SCOs).

- Backfilling the remainder of the excavation with clean, offsite source backfill material.

- Implementing dust and vapor control measures, based on air monitoring, to suppress dust, odors, and volatile organic vapors originating from the excavation/ISS activities and handling of soil.

As identified in the ROD, the remedial action was implemented to mitigate potential threats to human health and the environment arising from the presence of coal tar/PAHs in subsurface soil. This objective was achieved via the actions described herein, including the development and implementation of institutional controls in the form of an interim Site Management Plan (SMP) to be

prepared following approval of this report. An Environmental Easement (EE) will also be prepared following implementation of the groundwater remedy identified in the ROD (see Section 1.5 below).

1.1 Report Organization

The CCR is organized as follows:

Section		Purpose
Section 1 –	Introduction/Background	Presents site background information relevant to the development of the CCR, a summary of remedial investigations and remedial actions conducted at the site, a summary of the NYSDEC- and USEPA-selected remedy, and the remedial action objectives.
Section 2 –	Summary of Remedial and Construction Activities	Presents a detailed description of the work activities performed as part of the ISS remedial action.
Section 3 –	Solidified Soil Quality Assurance/Quality Control Sampling	Summarizes the solidified soil quality assurance/quality control (QA/QC) sampling activities and results.
Section 4 –	Chronology of Events	Presents a detailed chronology of events related to the ISS remedial action.
Section 5 –	Post-Remediation Activities	Summarizes the post-ISS remedial action activities to be implemented including the engineering and institutional controls, and the groundwater remedy.
Section 6 –	Operation and Maintenance Activities/ Site-Wide Long-Term Monitoring Program	Summarizes the operation and maintenance/ site-wide long-term monitoring activities to be implemented following the ISS remedial action.
Section 7 –	Final Inspections and Certifications	Summarizes the final site inspection performed following completion of the ISS remedial action.
Section 8 –	Contact Information	Presents a list of personnel, regulatory agencies, and emergency services related to the project.
Section 9 –	References	Presents a list of the documents cited in the Construction Completion Report.

1.2 Site Description

The Hiawatha Boulevard former MGP site is located in an industrial/commercial area at the southeast end of Onondaga Lake, within the City of Syracuse, Onondaga County, New York (see Figure 1). The former MGP is located on the northern portion of property currently owned by Onondaga County and occupied by the Metro STP. Much of the site is currently occupied by sewage treatment structures, including clarifiers, aeration tanks, and an ammonia and phosphorous removal facility that contains the Operations Center, the Biologically Aerated Filter (BAF) Building, the High Rate Flocculated Sedimentation (HRFS) Building, the Ultraviolet (UV) Disinfection Building, and the Chemical Building (hereinafter, the "Main Building Complex"), as shown on Figure 2. The remainder of the site is primarily covered by driveways, paved parking lots, and the County Maintenance Building (CMB). The existing site layout and limits of the former MGP are shown on Figure 2 (refer to the bold/dashed black line for the MGP limits).

The site topography is generally flat, resulting from the historical fill operations that pre-dated and preceded MGP activities (e.g., Solvay waste beds) and construction activities associated with the expansion of the Metro STP in the mid-1970s. The site elevation is approximately 7 feet above the adjacent Onondaga Lake. An elevated CSX rail line is located adjacent to the western edge of the property, between the site and Onondaga Lake. Access to Metro STP property is restricted by chain-link fences that surround the perimeter of the property and entrances that are monitored via security cameras. Entrance gates are kept closed outside of normal business hours.

1.3 Site History

A chronological history of the former MGP property and surrounding area is presented in the *Remedial Investigation Report* (ARCADIS, 2003) and relevant portions are summarized below.

- In the late 1800s, the site was used by Solvay Process as a fill area for waste. The Solvay Process waste resulted from the manufacture of sodium carbonate (soda ash), sodium bicarbonate, and calcium chloride.

- The Hiawatha Boulevard former MGP was operated by several companies between 1924 and 1958. Numerous 80-foot long piles were driven to support the large MGP foundations on the accumulated fill that characterized the site. MGP-related structures were constructed and demolished onsite between 1924 and 1961 and included vertical coal gas producing units, relief holders, gas oil tanks, booster houses, and other structures.

- A portion of the former MGP property was sold in 1967 to facilitate expansion of Onondaga County's Metro STP. Construction began on the expansion in the 1970s and included new

wastewater treatment facilities (primary and secondary clarifiers, aeration tanks, etc.) in the western portion of the MGP footprint. The CMB was also constructed at that time.

- Until 2000, National Grid owned a four-acre parcel on the site that was occupied by a service center, which included a garage and offices for maintenance crews. These structures were unrelated to the current CMB, which is on a separate, adjacent parcel. The National Grid property was sold to Onondaga County and the structures were subsequently demolished by the County in 2000.

Onondaga County completed construction of the Ammonia Removal/Stage II Phosphorous facility in 2005. The entire site has been substantially altered due to the county's construction project, including an interim remedial measure (IRM) completed by National Grid between September 2001 and February 2003 (hereafter "the Soil/Groundwater Removal IRM"). The former MGP site is now entirely occupied by the Metro STP. Further information about the Soil/Groundwater Removal IRM is presented in the *Feasibility Study Report* (ARCADIS, 2009) ("the FS Report").

1.4 Site Characterization/Nature and Extent of Impacts Prior to Remediation

The site was the subject of 10 environmental investigations and other studies starting in 1971 through 2011, including:

- Preliminary Subsurface Investigation for Proposed Onondaga County STP conducted by O'Brien & Gere Engineers, Inc. in 1971 and 1972.
- Niagara Mohawk Substrate Sampling and Analysis conducted by National Grid in 1985.
- USEPA Preliminary Site Assessment (PSA) conducted by the NUS Corporation in 1987.
- Sediment Sampling and Testing in the Barge Canal conducted by the USACE in 1994.
- Preliminary Site Assessment/Interim Remedial Measures (PSA/IRM) Study conducted by ARCADIS between 1995 and 1998.
- Remedial Investigation (RI) conducted by ARCADIS between 2000 and 2003.
- Supplemental Remedial Investigation (SRI) conducted by ARCADIS between 2005 and 2006.
- Pre-FS Additional Investigation conducted by ARCADIS in March 2008.

- Soil Vapor Investigation (SVI) conducted by ARCADIS in May 2008.

- Pre-Design Investigation (PDI) and ISS Bench-Scale Treatability Study conducted by ARCADIS from August 2010 through March 2011.

The comprehensive results of these investigations are presented in the FS Report and the *PDI and ISS Treatability Study Report* (ARCADIS 2011a). Electronic copies of the FS Report and the PDI and ISS Treatability Study Report in portable document format (PDF) are included on the attached CD.

A brief discussion of the site topography and drainage is provided below, followed by a discussion of geology, hydrogeology, groundwater usage, wetlands and rare species evaluation, and nature and extent of MGP-related impacts within the soil treatment area identified in the ROD.

Ground surface elevations in the vicinity of the remedial action range from approximately 373 to 377 feet above mean sea level (amsl).[1] The land surface at the site is relatively flat, except along the eastern property line between the site security fence and Hiawatha Boulevard, where the grade changes abruptly ascending approximately 10 feet. Storm water is conveyed offsite via a combination of overland sheet flow and underground storm sewer piping connected to various storm water catch basins and curb drains associated with two separate storm sewer systems that are approximately divided into the northern and southern work area, as shown on Record Drawing 1 and identified below.

- The northern storm water drainage system is located in the vicinity of the CMB and includes a water pit, catch basin, and manhole. The storm water is conveyed to the northwest of the ISS limits.

- The southern storm water drainage system is located in the parking lot and driveways in the area east of the HRFS Building and includes a storm water catch basin, two storm water manholes, and three curb drains. The storm water is conveyed to the west of the ISS limits.

1.4.1 Geology

Subsurface investigations and remediation have identified five stratigraphic units of interest within the ISS limits. In order of increasing depth from the ground surface, these geologic units are presented in Table 1-1.

[1] Relative to the North American Vertical Datum (NAVD 88).

Table 1-1
Generalized Geologic Column

Thickness Range (feet)	Stratigraphic Unit
2-5	Fill - The surficial unit, which varies in composition and texture throughout the site and consists of poorly sorted clay, sand, silt, gravel, brick, wood, ash, cobbles, and chunks of concrete.
2-12	Solvay Process Waste (Solvay waste) - White to pink or gray in color and consists predominantly of silt and fine sand-sized material with a chalky consistency.
18-20	Solidified Material - Light to dark gray in color and consists primarily of a solidified mixture of fill, Solvay waste, native sand, bentonite, blast furnace slag cement, and Portland cement. Solidified material is the result of the soil remedial action completed from February 2012 through October 2012 and is isolated to the ISS limits (as shown on Figure 3) starting approximately 4 feet below ground surface (bgs) and extending to 22 or 24 feet bgs, depending on location.
30-50	Sand Unit - Native silty fine to coarse sand gray to brown with varying amounts of shells. The silt content increased significantly with depth.
>10	Silt/Clay Unit - In the few borings that extended through the sand unit, a silt and clay unit was encountered below the sand. The surface of this unit is generally encountered between 40 and >50 feet bgs. This unit "fines" downward in that the clay content of the unit generally increases with increased depth. However the transition to an increased clay content is variable across the site. Based on several geotechnical borings completed as part of the mid-1970s expansion of the Metro STP (which were generally completed to depths of 230 feet to 270 feet bgs), the depth at which clay was first observed (identified as "little clay" or "some clay") was variable, and was as shallow as 35 feet bgs at a location in the western portion of the site and as deep as 130 feet bgs at a location in the eastern portion of the site. Boring logs for those geotechnical borings and figures showing boring locations are included in the *Subsurface Investigation Report on Proposed Metropolitan Syracuse Sewage Treatment Plant* (Onondaga Soil Testing, Inc., 1971).

1.4.2 Hydrogeology

The major hydrologic features near the site are Onondaga Lake and the Barge Canal, which discharges into the lake. The Barge Canal receives its flow from Onondaga Creek, which drains highly developed, heavily commercialized and industrialized landscapes as it passes south to north through the City of Syracuse. Onondaga Creek, like the Barge Canal, is classified by NYSDEC as a Class C water body.

As identified during the previous investigations, saturated conditions are first encountered within the fill or Solvay waste layer. The water-level data indicate that the water table beneath the site generally occurs at a depth of approximately 5 to 10 feet bgs. Water levels recorded in the shallow "S" and deep "D" series wells and surface water elevation data from the Barge Canal were used to construct water table contour maps for the fill/Solvay Waste and sand units. The most recent water level contour maps for the fill/Solvay and sand units, for water level gauging performed on February 25, 2013, are presented on Figures 4 and 5, respectively.

As indicated by the potentiometric surface contour maps for February 25, 2013, the horizontal direction of groundwater flow is from the southeastern corner of the site to the northeast and to the northwest in both water-bearing zones. The flow directions diverge along a groundwater divide that trends northwest-southeast through the site from the area of well cluster MW-6 to the area of well cluster MW-22.

Groundwater and surface water elevation data indicate that the Barge Canal in the vicinity of the site acts as a gaining stream, meaning that groundwater flows from beneath the site into the canal. Across most of the site, the elevation of the potentiometric surface for the sand unit was generally lower than the water table, indicating a slight downward vertical component of flow across the Solvay waste layer to the underlying sand unit. In general, the groundwater levels at each well cluster were higher than the adjacent surface water elevation indicating a component of groundwater flow from the fill/Solvay waste layer and upper sand unit to the Barge Canal. Within the sand unit, an upward component of flow is indicated by the presence of an upward vertical gradient from the deeper MW-11D_2 well to the shallower MW-11D well during both the March 2003 and May 2003 monitoring events.

1.4.3 Groundwater Usage

As indicated in the FS Report, the City of Syracuse derives its potable water supply from Skaneateles Lake. The Onondaga County Department of Health and City of Syracuse reported that there are no known wells in the City used for potable water supply. The City of Syracuse Office of Development, City of Syracuse City Engineer, and the Director's Office of the Onondaga County Planning Agency were contacted regarding any "master plan" or "future plan" that has been prepared for the City of Syracuse or Onondaga County, which would have included plans for groundwater development. None of the City or County offices contacted indicated that there was such a planning document or any planned future use of groundwater.

1.4.4 Wetlands and Rare Species Evaluation

In preparation for the remedial action, an ARCADIS biologist conducted a May 3, 2011 site visit to: (1) evaluate the potential presence of protected plants that were reported by NYSDEC to have been

present in the vicinity of the site; and (2) determine if regulated wetlands were present within the ISS limits.

The ISS limits and adjacent area (i.e., the work area) were evaluated for the presence of wetland field indicators or habitat capable of supporting the listed plants. The work area consisted of ornamental trees, grassed areas, paved parking lots and driveways, and a gravel parking lot. The vegetated areas were maintained as mowed lawn. No natural vegetative communities were observed within the work area. In addition, no habitat was observed that could have supported any of the listed plants, and none of the plants were observed.

Regulated wetlands require criteria related to a dominance of hydrophytic (water-tolerant) vegetation, the presence of hydric soils, and the presence of wetland hydrology. Wetland criteria are met when field indicators specified in the *Corps of Engineers Wetlands Delineation Manual* (USACE, 1987) are observed and all three criteria are met. No field indicators of wetland hydrology or hydrophytic plant communities were observed in the work area. Therefore, it was concluded that no wetland areas are present in the work area.

1.4.5 Nature and Extent of Impacts

As indicated in the FS Report and PDI and ISS Treatability Study Report, the nature and extent of impacts associated with the site were assessed by 10 investigations. The nature and extent of impacts in soil and groundwater at the site are discussed below.

1.4.5.1 Soil

A total of 391 soil samples were collected from 6 surface soil sampling locations, 50 soil borings, 2 test pits, 16 monitoring wells, and 34 bottom/sidewall IRM verification soil sampling locations as part of the PSA/IRM, RI, and SRI. Up to 9 soil samples from each soil boring were submitted for laboratory analysis. Soil samples collected as part of the investigations were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX)/volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs)/semi-volatile organic compounds (SVOCs), metals, cyanide, pesticides, polychlorinated biphenyls (PCBs), and constituents in leachate generated by Toxicity Characteristic Leaching Procedure (TCLP) sample extraction. Soil samples were generally collected throughout the site, but primarily focused on areas that were not covered with treatment facilities (i.e., the eastern portion of the site [including the footprint of the Soil/Groundwater Removal IRM and the parking lots between the Soil/Groundwater Removal IRM and Hiawatha Boulevard], the northern portion of the site near the Barge Canal, and the western portion of the site near Onondaga Lake. The Soil/Groundwater Removal IRM resulted in removal of soils characterized by 65 subsurface soil samples from 19 locations. The RI soil analytical results with comparisons to the restricted-industrial

use SCOs are presented in Table 1. Locations with NAPL and/or PAHs greater than 500 ppm are shown on Figure 3.

Investigation within the ISS limits included collecting soil samples from 16 soil borings during the RI and 8 soil borings during the PDI. NAPL was identified at each of the soil boring locations ranging in saturation from trace/minimally (e.g., sheens, blebs) to moderately impacted (e.g., lenses). Visible NAPL was not encountered below a depth of 22 feet bgs in the soil borings. Soil sample analytical results from several locations within the ISS limits also identified PAHs (primarily naphthalene) at concentrations greater than the 500 ppm soil cleanup level identified in the ROD. NAPL and PAHs were identified in both unsaturated and saturated soil at depths generally starting near and extending below the water table.

No constituents were identified in leachate generated by TCLP sample extraction at concentrations exceeding the regulatory limits presented in 6 NYCRR Part 371. The soil characterization analytical results from the waste characterization are included in Table 2.

1.4.5.2 Groundwater

The nature and extent of MGP-related impacts to groundwater at the site were characterized by the previous investigations. Impacted groundwater is defined as groundwater containing MGP-related constituents (BTEX, PAHs, and cyanide) at concentrations exceeding the Class GA Standards and Guidance Values (i.e., drinking water standards) presented in the NYSDEC Division of Water, Technical and Operational Guidance Series document titled “Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations” (TOGS 1.1.1), dated June 1998 (last revised June 2004). The RI groundwater analytical results are presented in Table 3. RI groundwater analytical results exceeding standards/guidance values are shown on Figure 6.

While there are a number of locations where groundwater contains BTEX, PAHs (primarily naphthalene), or cyanide at concentrations exceeding groundwater quality standards/guidance values, the concentrations are generally not more than an order or two of magnitude greater than the standards/guidance values.

1.5 Overview of Selected Remedy

The NYSDEC and USEPA evaluated the FS Report and subsequently prepared a *Proposed Remedial Action Plan* (PRAP), dated February 25, 2010, to summarize the remedial alternatives, identify the preferred alternative, and present the rationale for its preferred alternative. The preferred soil remedy, as presented in the PRAP, included ISS of 13,600 CY of MGP-impacted soil, excavation offsite transportation and disposal of 3,800 CY of surface cover material (asphalt and

topsoil) and the upper several feet of fill material. The preferred groundwater remedy, which will be performed under a separate remedial action, includes measures to enhance the natural breakdown of MPG-related compounds in groundwater beneath the site (e.g., installation of a series of wells to inject oxygen and/or nutrients). Based on public input into the PRAP, NYSDEC and USEPA subsequently issued the ROD for the site in March 2010. The NYSDEC-selected remedy presented in the ROD was consistent with the proposed remedy presented in the PRAP. Additionally, the ROD required that a PDI and bench-scale studies be conducted to further evaluate suspected purifier waste and provide a basis for developing the remedial design for the remedy. The ROD also required that a pilot-scale study be conducted to provide a basis for the groundwater remedial action.

The ISS treatment area identified in the ROD was reduced following identification of a subsurface 34.5 kilovolt (kV) electric duct bank located in parallel to Hiawatha Boulevard. Information obtained during the PDI indicated that the duct bank was outside the fence, extending between two electrical manholes located mid-way between Hiawatha Boulevard and the fence. The NYSDEC approved the reduced ISS treatment area based on safety concerns and minimum setback distances required by National Grid's Electric and Gas Departments as identified in a February 24, 2012 letter from the NYSDEC (Appendix A).

1.6 Remedial Action Objectives and Remedial Goals

The overall objective of the remedial action was to remove/solidify soils containing DNAPL and/or total PAHs greater than 500 ppm to provide conditions that are protective of human health and the environment. As indicated in the RD, the specific remedial action objectives (RAOs) and remedial goals (RGs) were as follows:

Remedial Action Objectives	
RAO 1	Prevent ingestion/direct contact with impacted subsurface soil
RAO 2	Prevent migration of MGP-related constituents that would result in groundwater or surface water impacts
RAO 3	Prevent ingestion of groundwater containing MGP-related constituents at concentrations exceeding drinking water standards
RAO 4	Prevent contact with impacted groundwater
RAO 5	Prevent discharge of impacted groundwater to surface water
Remedial Goals	
RG 1	Contain and control, to the extent practicable, the amount of constituents of concern (COCs) in site soils that come in contact with groundwater
RG 2	Restore groundwater quality to levels that meet state and federal drinking-water standards

2. Summary of Remedial and Construction Activities

This section of the CCR summarizes the ISS remedial action and describes the activities performed by National Grid and its Contractors. The remedial action was conducted on behalf of National Grid by LAND between February 2012 and October 2012. During this period, ARCADIS provided full-time, onsite observation services to monitor and document the work performed. The NYSDEC also provided an onsite field representative who was present weekly during the course of remedial action. Several subcontractors for LAND (e.g., surveyors, fence installers, asbestos abatement workers, etc.) were also present at the site at various times during the remedial action.

Weekly project meetings were held onsite to ensure that the project was progressing in accordance with the approved RD and to facilitate any changes that became necessary as work proceeded. Meeting minutes from these meetings are contained in the attached CD. Weekly field construction progress reports with photographs of weekly site activities were generated to document project activities. These reports were provided to the NYSDEC, New York State Department of Health (NYSDOH), Onondaga County Department of Water Environment Protection (OCDWEP), National Grid, and LAND in e-mail correspondence on a weekly basis and are provided in the attached CD. Additional representative photographs of the ISS remedial action are included in Appendix B.

Several electronic attachments are included herein to supplement the contents of this report and provide additional information related to implementation of the remedial action. The as-built record drawings for the remedial action are presented following the text of this report. These drawings bear the stamp and signature of a Professional Engineer licensed in the State of New York and document the ISS remedial action achieved the NYSDEC-approved vertical and horizontal limits. Specifically, these drawings show:

- Surveyed excavation/ISS limits, demarcation layer locations and elevations, and geotechnical verification soil sampling locations.

- Permanent survey markers for horizontal and vertical control for site management.

Primary roles and responsibilities associated with the remedial action are summarized below.

Table 2-1
Organization Responsibilities

Organization	Role
NYSDEC	• Lead regulatory agency • Review and approval of documents • Oversight and response actions
USEPA	• Regulatory agency • Review and approval of documents
NYSDOH	• Regulatory agency • Review and approval of documents
National Grid	• Responsible for overall implementation of remedial action • Coordinate activities of Remediation Contractor • Coordinate access to work areas
OCDWEP	• Site owner • Responsible for Metro STP access and security
ARCADIS	• Engineer-of-record • Construction Manager (CM) on behalf of National Grid • Prepare CCR
LAND (and LAND's Subcontractors)	• Remediation Contractor retained by National Grid • Community Air Monitoring

The remainder of this section presents a description of the primary components of the ISS remedial action, including:

- Pre-construction activities
- Groundwater/NAPL gauging, removal, and offsite disposal
- Soil excavation
- Utility handling
- In-situ soil solidification
- Solidified soil quality assurance/quality control sampling
- Soil and debris handling, re-use, and offsite disposal
- Backfilling and compaction
- Equipment decontamination
- Wastewater treatment and discharge
- Air quality monitoring program
- Site restoration, final inspection, and demobilization
- Deviations from Remedial Design

A description of each component of the remedial action is presented below.

2.1 Pre-Construction Activities

A Community Fact Sheet was prepared to announce the start of the remedial action. ARCADIS distributed the Fact Sheet in accordance with the project mailing list on February 3, 2012. A copy of the Fact Sheet is included on the attached CD.

Pre-remediation site conditions are shown on Record Drawing 1. Pre-remediation activities were performed by National Grid and its Contractors in preparation for the remedial action. These activities are summarized below.

- Pre-Mobilization Submittals – Prior to mobilizing to the site, LAND prepared the required submittals, including an Operations Plan, a Health & Safety Plan (HASP), and a Contingency Plan. Copies of these submittals were provided to NYSDEC on February 21, 2012 following review by National Grid and ARCADIS.

  In addition to the above, LAND provided pre-mobilization submittals for their proposed clean backfill materials (Type "B" #2 Crushed Stone, Type "E" Run-of-Bank Gravel, and Type "F" Run-of-Crusher Stone) for the project. The sources of these materials were as follows:

  Type "B" #2 Crushed Stone & Type "F" Run-of-Crusher Stone
  W.F. Saunders & Sons, Inc. – Marcellus Plant
  4993 Limeledge Road
  Marcellus, NY 13108

  Type "E" Run-of-Bank Gravel
  Syracuse Sand & Gravel, LLC – Granby Mine
  County Route 85
  Granby, NY 13126

  Prior to use, the Type "E" Run-of-Bank Gravel was sampled and analyzed for:

  - Target compound list (TCL) VOCs
  - TCL SVOCs
  - Target analyte list (TAL) inorganic constituents
  - Polychlorinated biphenyls (PCBs)
  - Herbicides

- Pesticides
- Cyanide

The analytical results associated with the fill material presented in Table 4 are compared to the lower of either the restricted commercial use or the protection of groundwater SCOs presented in 6 NYCRR Part 375-6.8(b). Analytical results were less than respective SCOs/guidance values and were suitable to use as backfill. Type "B" #2 Crushed Stone and Type "F" Run-of-Crusher Stone was imported from a permitted mine/quarry and contained less than 10% of material (by weight) passing through a size 80 sieve. Therefore, sampling and laboratory analysis of these materials were not required based on provisions in Section 5.4(e)(5) of DER-10.

- Pre-Construction/Safety Committee Meeting – A pre-construction/safety committee meeting was held on February 2, 2012 and attended by representatives of the NYSDEC, National Grid, ARCADIS, LAND, and the OCDWEP. The PowerPoint presentation and sign-in sheet from the pre-construction meeting are provided on the attached CD.

- Soil Re-Use and Waste Characterization – LAND conducted soil waste characterization at the site within the ISS area to evaluate potential handling and disposal requirements for impacted soils. A total of 5 soil borings were completed within the remedial limits, and composite samples were collected from 1.5 to 4.5 feet bgs and 4.5 to 8.5 feet bgs and submitted for laboratory analysis of TCLP VOCs, TCLP SVOCs, TCLP metals, PCBs, ignitability, reactivity, pesticides, and pH. The soil characterization analytical results from the waste characterization presented in Table 2 are compared to the regulatory limits presented in 6 NYCRR Part 371. Analytical results indicated that the material was non-hazardous and met the requirements for disposal at Ontario County Landfill.

  LAND also collected samples of stockpiled topsoil excavated from within the ISS area and new stone parking lot to evaluate potential re-use as topsoil. The samples were submitted for laboratory analysis of VOCs, SVOCs, metals, PCBs, pesticides, herbicides, and/or cyanide. The soil characterization analytical results from topsoil samples are presented in Table 4 and are compared to the lower of either the restricted commercial use or the protection of groundwater SCOs presented in 6 NYCRR Part 375-6.8(b). Analytical results were less than respective SCOs and indicated that the topsoil was suitable for re-use.

- Pre-Construction Survey – LAND's surveying subcontractor (Thew Associates PE-LS, PLLC [Thew]) performed a pre-construction survey to document existing conditions and delineate the ISS limits and other components of the remedial action. Thew also established removal depth tracking locations on an approximately 10-foot grid across the ISS cells and recorded the pre-construction elevation at each tracking location.

- Utility Clearance – LAND coordinated with a DigSafely New York utility locator to confirm that there were no unknown active utilities located within/adjacent to the ISS limits. LAND also coordinated with Parratt-Wolff, Inc. (Parratt-Wolff) to vacuum excavate at several locations to visually confirm the alignment of critical, permanent utilities to remain in service adjacent to the ISS limits (e.g., 20-inch diameter high-pressure gas line [HPGL], 34.5 kV electrical duct bank, 8-inch diameter ductile iron water main, etc.). All aboveground and underground utilities, equipment, and structures were identified, marked, and verified. Utilities within the ISS limits were abandoned or relocated (removed and replaced) throughout the remedial action.

- Site Controls – LAND established site controls, posted project signage, and instituted access control measures prior to the start of remedial action to prevent access to the work area by unauthorized personnel or vehicles. New 6-foot high temporary chain-link fencing and gates were installed along the western and southern perimeter of the work area and connected to existing permanent fencing to secure the project work limits. Entry into the site was via the main entrance gates on Hiawatha Boulevard. “NO TRESPASSING” signs were installed on the perimeter fence. A project sign compliant with NYSDEC specifications identified in the RD was posted near the site entrance along Hiawatha Boulevard. During daily operations, admittance requirements (including worker and visitor sign-in) were in effect, as specified in the HASP for activities at the site.

- Erosion and Sediment Control Measures – LAND installed and maintained erosion and sediment control measures (prior to initiating intrusive activities), including hay bales and silt fencing (downslope from work areas), and Siltsacks (in curb drains and catch basins).

- Mobile Office Trailers – Two project trailers were mobilized, blocked, leveled, and equipped with office supplies. One trailer was used as an office by the ARCADIS remediation project coordinator and LAND. The second trailer was used by the NYSDEC onsite representative. Electricity, telephone and internet service, facsimile capabilities, office supplies, potable water and portable toilets were available for all project personnel.

- Material Staging, Decontamination, and Contamination Areas – LAND constructed material staging, decontamination, and containment areas prior to initiating remedial action, as follows:

  - Material Staging Area - The staging area consisted of lined impoundments with bermed sidewalls and a floor that sloped to a lined collection sump(s). The impoundment was lined using 40 mil high density polyethylene (HDPE) with welded seams. The impoundment area included additional precautions to protect the integrity of the liners, including a drainage/soil layer and cushion geotextiles.

A secondary material staging area was constructed west of the secondary clarifiers to stage clean topsoil excavated from with the ISS limits and new stone parking lot. The secondary staging area consisted of a geotextile base layer to clearly identify existing grade, and silt fencing around the perimeter. Additionally, the stockpiles were continuously covered with properly anchored impermeable tarpaulin cover to prevent precipitation infiltration and dust generation.

- Grout Mixing/Batch Plant Area – The Grout Mixing/Batch Plant Area consisted of bermed sidewalls, a drainage/soil layer, and cushion geotextiles.

- Exclusion Zone - The work area Exclusion Zone (i.e., the active work area immediate to the ISS limits) changed as ISS progressed. Orange construction fence fastened to tee posts was used to delineate the perimeter of the Exclusion Zone.

- Contamination Reduction Zone - The work area Contamination Reduction Zone (i.e., the area immediately outside the Exclusion Zone) was used as a primary decontamination area for equipment and personnel. Orange construction fence fastened to tee posts were used to delineate the perimeter of the Contamination Reduction Zone.

- Personnel Contamination Reduction Area - A personnel contamination reduction area was constructed and maintained inside the Contamination Reduction Zone and consisted of a boot washtub, a boot rinse tub, a final rinse with a hand pump sprayer, waterless hand washing supplies, and paper towels. A 55-gallon drum lined with a 6-mil thick polyethylene bag was provided for personal protection equipment (PPE) disposal.

- Support Zone - The Support Zone was the area where project support was provided without contact with impacted materials. This area was located outside the Contamination Reduction Zone in the southwestern portion of the work area.

- Containment Area – A frac tank was provided in a containment area bermed and lined with a HDPE synthetic membrane liner with a minimum thickness of 36 mils. The frac tank was provided to containerize liquid wastes generated by the remedial action. Water that accumulated within the containment area was collected and stored in the frac tank.

- Mobilization – LAND mobilized equipment/materials (e.g., water treatment system components, excavation equipment, grout mixing/batch plant, etc.) necessary to perform the remedial action.

- Stone Parking Lot Construction – LAND constructed an approximately 12,500 square foot (sf) stone parking lot northwest of the CMB, prior to initiating remedial action. The parking lot was

constructed to replace parking spaces within the remedial limits and generally included: (1) excavation of 3- to 12-inches of topsoil; (2) placement of geogrid and geotextile layers; and (3) placement and compaction of up to 12-inches of run-of-crusher stone. The stone parking lot was left in place for use by Metro STP personnel following completion of the ISS remedial action. Topsoil was staged onsite for analytical characterization and offsite disposal.

Following performance of the pre-construction activities summarized above, the remedial action was initiated. Those activities are described in the following sections.

2.2 Groundwater/NAPL Gauging, Removal, and Offsite Disposal

Groundwater/NAPL gauging was performed from the first day of ISS mixing (April 9, 2012) through the completion of surface restoration activities (July 25, 2012). Gauging was performed at 12 monitoring wells (MW-7S/D, MW-8S/D, MW-30S/D, MW-31S/D, MW-34D, MW-35D, and MW-36S/D) hydraulically adjacent to and downgradient of the ISS limits during ISS mixing activities. Gauging activities included measuring depth to: (1) light non-aqueous phase liquid (LNAPL) (if any); (2) groundwater; (3) DNAPL (if any); and (4) monitoring well bottom. A summary of NAPL gauging is presented in Table 5.

Gauging measurements were collected on a twice daily basis (morning and afternoon) from April 9, 2012 to May 9, 2012. Gauging measurements were generally collected on weekly basis (minimum) from May 17, 2012 (after ISS mixing was substantially completed) through July 25, 2012 (site restoration). The gauging frequency was modified from twice daily to weekly in accordance with discussions with the NYSDEC during the May 10, 2012 weekly progress meeting. Approximately 3.1 feet of LNAPL was measured in monitoring well MW-36S on April 9, 2012 through April 11, 2012. This LNAPL was present in the well prior to ISS mixing in the area (it was not “mobilized” by ISS mixing operations). Approximately 1 gallon of an LNAPL/water mixture was manually bailed from MW-36S on April 11, 2012 and did not immediately return. Small quantities (<0.01 to 0.14 feet) of LNAPL were identified in this well from May 18, 2012 through June 29, 2012. Approximately 0.25 gallons of LNAPL/water mixture were manually bailed from MW-36S on June 7, 2012. Approximately 0.05 gallons of groundwater were periodically manually bailed from MW-36S to confirm gauging measurements.

Small quantities (0.14- to 0.5-feet) of DNAPL were identified in MW-8D from May 31, 2012 through July 25, 2012. Approximately 1.5 gallons of DNAPL/water mixture were manually bailed from MW-8D on May 31, 2012. Approximately 0.3 gallons of groundwater were periodically manually bailed from MW-8D to confirm gauging measurements.

The NAPL/water mixture from the wells was containerized. The mixture was not sampled and assumed to be a hazardous waste. Approximately 10 gallons of a NAPL/water mixture were transported offsite to CleanHarbors El Dorado, LLC (El Dorado, Arkansas) for treatment as a hazardous waste (benzene).

2.3 Soil Excavation

Soil removal within the ISS limits was generally conducted from March through June 2012. Asphalt, topsoil, subsurface soil, Solvay waste, and bulked solidified soil were excavated from ground surface to approximately 4 feet bgs at each cell within the ISS limits as identified by the top of mixing cell depths in Table 6. Soil removal was performed in two phases including pre- and post-ISS excavation. The locations and horizontal/vertical limits of the excavations described below are shown on Figure 7 and a cross-section of the ISS area is presented on Figure 8. A total of 4,618 tons of material was excavated and transported offsite for disposal (refer to Tables 7 and 8 for waste shipment summaries).

Elevation contours of the post-ISS excavation bottom (i.e., bottom of the ISS monolith) are shown on Record Drawing 2. The analytical results for constituents detected in soil at soil borings/sampling locations at the site, including within the excavation/ISS area, are presented in Tables 1 and 2. Additional information regarding the pre- and post-ISS removal activities within the ISS limits is provided below.

2.3.1 Pre-ISS Excavation

Key work activities performed prior to ISS included the removal of asphalt, topsoil, stone sub-base, and Solvay waste. Excavation progressed in the following stages: (1) cutting asphalt; (2) excavating topsoil; (3) excavating approximately 6.5 inches of asphalt; (4) removing granite curbing; (5) excavating approximately 15 inches of stone sub-base; and (6) excavating soil to approximately 4 feet bgs. Asphalt cutting began on March 12, 2012, and pre-ISS excavation continued through May 21, 2012.

Asphalt was cut approximately 1 foot outside the western limits of ISS using an excavator-mounted wheel cutter. Asphalt within the ISS limits was excavated and stockpiled for offsite transportation and recycling at Barrett Paving Materials, Inc. (Barrett). Approximately 375 lineal feet of granite curbing was removed from the: (1) ISS limits; (2) vegetated islands between the HRFS parking lot and driveway; and (3) vegetated areas east of the CMB. The granite curbing was staged onsite for re-use. Several sections of curbing were damaged during removal and the curbing subcontractor (Geneva Granite Co., Inc.) indicated that furnishing and installing new granite curbing would be

more efficient, less expensive, and provide a material that was a similar color. New granite curbing was installed, and LAND removed the staged granite curbing for offsite re-use.

Approximately 6 inches of topsoil and 15 inches of stone sub-base were excavated within the ISS limits and stockpiled onsite. The soil was later re-used as topsoil within the ISS limits once it was determined that the soil met re-use criteria, as discussed in Section 2.6 of this report. Stone sub-base was later re-used as subsurface backfill within the ISS limits. A sample of the stone sub-base was not collected since less than 10% of material by weight would pass through a size 80 sieve, the threshold for the sampling exemption outlined in DER-10 Section 5.4(e)(5). No visible NAPL was observed in topsoil and stone sub-base material.

Subsurface soil and Solvay waste was excavated to approximately 4 feet bgs, direct-loaded into transport vehicles, and transported offsite to the Ontario County Landfill located in Stanley, New York (Ontario County Landfill) for disposal. No visible NAPL was observed in subsurface soil and Solvay waste material transported for offsite disposal. Prior to loading excavated material, the bed and sidewalls of each transport vehicle were lined with polyethylene sheeting. After each vehicle was loaded, a tarpaulin was secured over the top of the bed, and the trailer exterior, wheels, and undercarriage of each transport vehicle were visually inspected within the decontamination area to identify (and remove, if observed) accumulated soil prior to transporting excavated materials offsite. Before materials were transported from the site, a non-hazardous waste manifest was prepared and signed by National Grid's representative for each vehicle transporting materials offsite. A waste profile sheet accompanied each completed manifest. Waste manifests are included on the attached CD. Truck traffic to and from the site followed the designated truck route established for the project.

An approximately 225-gallon steel underground storage tank (UST) was identified in the southern portion of the ISS limits (mixing cell #4 shown on Record Drawing 3) during pre-ISS excavation activities. The tank contained a small amount of water (less than 5 gallons) and a slight sheen was observed on the water surface. The water drained through existing holes in the UST to the surrounding ground surface in an area that was subsequently solidified. The UST was removed and transported offsite for recycling at Barrett.

2.3.2 Post-ISS Excavation

Key work activities performed following ISS included removal of bulked solidified material and grading of the monolith surface. Excavation generally progressed from north to south within the ISS limits. Post-ISS excavation began on May 28, 2012 and continued through June 11, 2012.

Bulked solidified material was excavated to approximately 4 feet below proposed finish grade, as shown on Record Drawing 4, and direct-loaded into transport vehicles and transported offsite to the

Ontario County Landfill for disposal. Following excavation of bulked solidified material, the ISS surface was graded to drain water to surrounding soils. Although residual NAPL blebs had been observed on the monolith surface after ISS mixing, the blebs became bound in the solidified matrix as the monolith cured. This was apparent when scraping/grading the ISS monolith surface. No residual NAPL was observed on the final surface of the graded monolith, which was later covered with a demarcation layer, re-use stone sub-base, and imported backfill, as described in Section 2.7 below. Refer to Record Drawing 5 for the limits of re-use stone sub-base placement.

Before excavated material was loaded, the bed and sidewalls of each transport vehicle were lined with polyethylene sheeting. After each vehicle was loaded, a tarpaulin was secured over the top of the bed, and the trailer exterior, wheels, and undercarriage of each transport vehicle were visually inspected within the decontamination area to identify (and remove, if observed) any accumulated soil prior to transporting excavated materials offsite. Before any materials were transported from the site, a non-hazardous waste manifest was prepared and signed by National Grid's representative for each vehicle transporting materials offsite. A waste profile sheet accompanied each completed manifest. All truck traffic to and from the site followed the designated truck route established for the project.

2.4 Utility Handling

Several active and abandoned activities within and adjacent to the ISS limits were protected, removed, replaced, and/or relocated between the weeks of March 12, 2012 and June 25, 2012. The locations of utilities prior to construction activities are shown on Record Drawing 2.

2.4.1 High Pressure Gas Line and Electric Duct Bank

A 20-inch diameter HPGL and 34.5 kV electric duct bank were identified along the eastern ISS limits during utility clearance activities. As summarized in Section 2.12 below, the HPGL and duct bank are permanent active utilities that: (1) could not be removed or relocated; and (2) required clearance distances in which remedial activities could not be performed. High visibility construction fencing was installed to demarcate the utility clearance distances, and restricted construction crossings were installed to allow heavy equipment to cross the utilities.

2.4.2 Electric Yard Lighting Utilities

Utility service to the electric yard lighting system was de-energized and lock out/tag out (LO/TO) of the electrical circuit was completed by Metro STP and LAND personnel during the week of March 12, 2012. A total of four light poles and associated concrete pedestals and approximately 232 lineal feet (LF) of electrical cable/conduit located within or adjacent to the ISS limits were removed by the

electrical subcontractor (O'Connell Electric Company, Inc. [O'Connell]) and staged onsite for later re-use.

Following completion of ISS and backfilling activities, the light poles, concrete pedestals, and electrical cable/conduit were replaced. Utility service was restored to the yard lighting electrical circuit during the week of June 25, 2012.

2.4.3 Storm Sewer Piping

Approximately 55 LF of storm sewer piping and a curb drain located within the ISS limits were removed and temporarily capped outside the ISS limits during the week of March 19, 2012. After ISS and backfilling activities were completed, new storm sewer pipe and a curb drain were replaced during the week of June 11, 2012, as shown on Record Drawing 6. OCDWEP personnel inspected and approved installation of the storm sewer pipes and catch basin.

2.4.4 Natural Gas Piping

A 2-inch diameter natural gas pipe was identified during pre-ISS excavation in ISS mixing cell #1 (Record Drawing 1) during the week of April 9, 2012. National Grid Gas Department personnel mobilized to the site and indicated the pipe was inactive and not leaking. The natural gas pipe was cut and capped outside the ISS limits, and the decommissioned portions of the pipe were removed.

A 2-inch diameter natural gas pipe providing service to the CMB was located crossing the center of the ISS area (mixing cells #61, 62, and 63) by excavation/hand digging during the week of March 19, 2012. National Grid Gas Department personnel relocated the natural gas pipe during the week of May 14, 2012. Relocation activities included de-energizing the active natural gas pipe, installing a new 2-inch diameter polyvinyl chloride (PVC) natural gas pipe in an area where ISS was previously completed (Record Drawing 6), and restoring natural gas service to the CMB with no more than 4 hours of service interruption. The de-energized natural gas pipe was subsequently removed during the weeks of May 14, 2012 and May 21, 2012.

2.4.5 Potable Water Piping

An 8-inch diameter cast-iron potable water pipe providing service to the CMB and backup supply to the wastewater treatment plant was located crossing the center of the ISS area (mixing cells # 61, 62, and 63) during the week of April 16, 2012. The pipe was located at a depth of approximately 7 feet bgs by excavating several test pits along the pipe alignment. The potable water pipe was relocated during the week of May 14, 2012 by LAND's contractor (DWB, Inc.). The relocation was observed by OCDWEP personnel. Relocation activities included excavating a shallow trench in the

solidified monolith along the relocated pipe alignment, de-energizing the active potable water pipe, providing and placing a new 8-inch cast-iron pipe and fittings, installing concrete thrust blocks, and restoring potable water service (Record Drawing 6). The de-energized potable water pipe was subsequently removed during the weeks of May 14, 2012 and May 21, 2012.

A 6-inch diameter high density polyethylene (HDPE) water pipe was identified along the western ISS limit (mixing cells #54 and 55) during the week of April 30, 2012. The HDPE water pipe provided service to the fire hydrant north of the ISS grout plant. The western limit of ISS was relocated approximately 5 feet east to avoid damaging the water supply pipe, as summarized in Section 2.12.

2.4.6 Historical MGP Piping

Several abandoned historical MGP-related pipes were encountered within the ISS limits from April 2, 2012 through May 21, 2012. No NAPL was identified during visual inspection of the pipe interiors. Historical pipes were identified throughout the ISS area and included pipes of several diameters (6 through 20 inches) and material (steel and cast iron). Pipes were removed to the ISS limits and temporarily staged in an area where soil had previously been solidified. The bulked material the pipe was staged on was later excavated for offsite disposal as described below.

Several of the pipes were wrapped with an insulation material that potentially included asbestos-containing material (ACM). Upon initial discovery of the wrapped pipe, LAND's subcontractor (Colden Corporation) collected bulk samples of the insulation for laboratory analysis for asbestos. The laboratory analytical results indicated that the insulation was not ACM. Colden later collected additional bulk samples of pipe insulation and wipe samples of pipe interiors for disposal purposes. These additional samples were analyzed for asbestos and PCBs, respectively. The analytical results indicated that asbestos (friable or non-friable) was present in the wrapping of several pipes (Table 9). PCBs were only detected in one sample at a concentration of 1 microgram per (ug) wipe, and therefore the pipes were not a PCB hazardous waste (Table 10). PCBs were not detected in bulk insulation samples (Table 11).

LAND's subcontractor (Classic Environmental, Inc. [Classic]) performed asbestos abatement of historical MGP pipe wrap/insulation during the week of June 4, 2012, in accordance with New York State Department of Labor (NYSDOL) Industrial Code Rule 56-1 through 56-12 and Asbestos Variance Petition #12-0629 (attached CD). The asbestos abatement activities included: (1) segregating non-ACM piping, friable ACM piping, and non-friable ACM piping; (2) wrapping the ends of ACM piping with two layers of 6-mil plastic sheeting and duct tape; (3) transferring piping to containers for offsite disposal; (4) excavating approximately 6-inches of soil beneath staged pipe for offsite disposal; (5) performing air monitoring during ACM abatement; and (6) transporting the containers offsite for disposal, as described in Section 2.6 below.

2.5 In-Situ Soil Solidification

Solidification activities within the ISS limits were conducted between April 9, 2012 and May 21, 2012. The locations and horizontal/vertical limits of solidified material are described below and shown on Record Drawings 2 and 4.

ISS mixing was performed by an excavator with a modified bucket. Holes were cut in the excavator bucket to more thoroughly mix soil. The holes relieved the vacuum that would otherwise have been created by a full bucket of soil. A global positioning system (GPS) unit was mounted on the excavator and calibrated each day to collect the location and completion depths of ISS mixing cells.

ISS mixing activities progressed in the following stages at each mixing cell: (1) excavating approximately 1 to 2 feet of soil and creating a berm around the perimeter of the mixing cell with the excavated soil (to provide a basin for grout and prevent solidified material overflow); (2) continuously pumping grout (prepared at the onsite grout plan) into the mixing cell to achieve the design grout-to-soil volume proportions; and (3) mixing grout and subsurface soils to completion depths. Mixing cells were generally solidified in a checkerboard sequence to: (1) allow solidified material to cure at distinct boundaries, therefore preventing collapse of a mixed cell into an adjacent cell being mixed; and (2) provide a solid surface for the excavator to operate. ISS mixing cells were generally completed in the following sequence, as identified in Table 6: (1) the eastern portion of the ISS area; (2) the utility corridor (mixing cells #61, 62, and 63; as shown on Record Drawing 6) following utility relocation described above; and (3) the western portion of the ISS area within driveways (to minimize disruption for construction vehicles).

Grout was produced in the onsite automated batch plant, as needed, using the following mix design (weight admixture per wet weight of soil to be solidified): (1) 5% blast furnace slag (BFS) cement; (2) 1.5% Portland cement; and (3) 0.5% bentonite. QA/QC samples were collected from select mixing cells following mixing and prior to curing, as described in Section 3.

A total of 9,673 CY of soil was solidified within the ISS limits from approximately 4 feet bgs to 22 or 24 feet bgs. For purposes of the remedial action, three remedial areas were developed based on treatment depth and location as shown on Figure 7. Additional information regarding the removal activities within each ISS area is provided below.

2.5.1 ISS Area #1

ISS Area #1 is located in the southern portion of the remedial limits and consisted of mixing cells #1 through 18, 50, 51, 52, 61, 62, and 63. The target depth of 22 feet bgs was achieved at 71 of 81 survey locations (approximately 1 survey location per 65 sf, which is a greater frequency than the

minimum required 1 survey location per 100 sf presented in the RD). Soil was solidified to within 2.5 inches of the target depth at the remaining 10 survey locations. A total of 3,553 CY of soil was solidified within a 5,339 sf area to an average depth of 22.1 feet bgs.

As described above in Section 2.4, active natural gas and potable water pipes providing service to the CMB and/or Metro STP were located in mixing cells #61 through 63. Following utility relocation, mixing cells #61 through 63 were solidified to the target depth.

Various debris and historical MGP pipes were removed from ISS Area #1 including a 2-inch diameter natural gas pipe and two 20-inch diameter abandoned pipes.

Residual NAPL blebs were observed on the surface of several mixing cells after ISS mixing, and the blebs became bound in the solidified matrix as the monolith cured. The bulked ISS material was excavated to 4 feet bgs and the monolith surface was graded to drain water from the surface. NAPL was not observed on the graded monolith surface.

ISS Area #1 mixing activities were completed on May 21, 2012.

2.5.2 ISS Area #2

ISS Area #2 is located in the northern portion of the remedial limits and consisted of mixing cells #19 through 49. The target depth of 24 feet bgs was achieved or over-solidified at 87 of 93 survey locations (approximately 1 survey location per 74 sf, which exceeds the minimum required frequency presented in the RD). Soil was solidified to within approximately 1-inch of the target depth at four survey locations and 3.5 and 6 inches at the remaining two survey locations. A total of 5,077 CY of soil was solidified within a 6,844 sf area to an average depth of 24 feet bgs.

Various debris and historical MGP pipes were removed from ISS Area #2, including two 6-inch diameter abandoned pipes and an 8-inch diameter abandoned pipe.

ISS Area #2 mixing activities were completed on May 1, 2012.

2.5.3 ISS Area #3

ISS Area #3 is located in the western portion of the remedial limits and consisted of mixing cells #53 through 60. The target depth of 22 feet bgs was achieved or over-solidified at 24 of 26 survey locations (approximately 1 survey location per 60 sf, which exceeds the minimum required frequency presented in the RD). Soil was solidified to within approximately 2.5 inches of the target

depth at the remaining two survey locations. A total of 1,043 CY of soil was solidified within a 1,567 sf area to an average depth of 22 feet bgs.

As described above in Section 2.4.5, an active 6-inch diameter HDPE water pipe was identified along the western limits of ISS Area #3 during pre-ISS excavation activities. The western limit of ISS Area 3 was revised to avoid damaging the 8-inch HDPE water pipe.

ISS Area #3 mixing activities were completed on May 7, 2012.

2.6 Soil and Debris Handling, Re-Use, and Offsite Disposal

Extensive pre-ISS in-situ waste characterization soil sampling was performed as part of the PDI and pre-construction activities as previously discussed in Sections 1.4.5 and 2.1, respectively, to allow excavated soil destined for offsite disposal to be directly loaded into transport vehicles, to the extent possible. Each transport vehicle was loaded on a clean sheet of polyethylene in the truck "load out" area, thereby reducing the need for subsequent truck decontamination.

Prior to loading, the bed and sidewalls of each waste container (e.g. dump trailer, dump truck bed) were lined with polyethylene sheeting. After each vehicle was loaded, a tarpaulin was secured over the top of the bed. The trailer exterior, wheels, and undercarriage were visually inspected within the load out area to identify (and remove, if observed) accumulated soil prior to transporting excavated materials offsite. Each waste transporter had a waste transporter permit (6 NYCRR Part 364). Before any materials were transported from the site, a non-hazardous waste manifest, hazardous waste manifest, or bill-of-lading (as appropriate) was prepared and signed by National Grid's representative for each vehicle transporting materials offsite. All truck traffic to and from the site followed the designated truck route established for the project in the RD.

A total of 5,009 tons of piping, C&D debris, and soil were transported offsite for recycling or disposal, as follows:

- 350 tons of asphalt were transported to Barrett for recycling.
- 41 tons of metal piping were transported to Roth Steel Corporation (Roth) for recycling.
- 4 tons of piping with friable asbestos insulation/coating were transported to Seneca Meadows Landfill for disposal as an asbestos hazardous waste.
- 20 tons of piping with non-friable asbestos insulation/coating were transported to Seneca Meadows Landfill for disposal as non-hazardous C&D waste.

- 182 tons of C&D debris were transported to the Ontario County Landfill for disposal as a non-hazardous waste.

- 47 tons of soil with bulk friable asbestos were transported to Ontario County Landfill for disposal as a non-hazardous waste.

- 4,365 tons of soil were transported to the Ontario County Landfill for disposal as a non-hazardous waste.

Remaining (non-impacted) topsoil and stone sub-base removed from the excavation were staged, characterized, and re-used onsite as topsoil or subsurface backfill, respectively.

Waste shipment summaries, which identify manifest numbers and corresponding weights for each waste shipment to Ontario County Landfill and Seneca Meadows Landfill, are included in Tables 7 and 8, respectively. Copies of waste manifests, disposal receipts, and certificates of disposal are included on the attached CD. The subsections below describe the handling of piping, C&D debris, and soil/bulked ISS material removed from the site.

2.6.1 Handling of Concrete and Debris

Remnants of former MGP structures, including concrete and other miscellaneous debris, were encountered during the pre-ISS excavation and ISS mixing activities within the ISS limits. The material was not “suitable” for subsurface re-use for geotechnical reasons. Large material was downsized prior to offsite disposal by crushing material with the excavator treads. Materials were transported offsite for disposal as C&D debris. A waste shipment summary, which identifies weights for each waste shipment of C&D debris to Ontario County Landfill, is included in Table 7.

2.6.2 Handling of Piping

As described in Section 2.4, pipe within the ISS limits was removed and staged in the northwestern corner of the ISS limits where soil had previously been solidified. Following receipt of asbestos and PCB analytical results, pipe removed from the ISS area was segregated into three piles: (1) pipe without ACM coating; (2) pipe with non-friable asbestos coating; and (3) pipe with friable asbestos coating. Analytical results for asbestos and PCBs are presented in Tables 9, 10, and 11.

Before waste loading was performed, the bed and sidewalls of ACM pipe roll-off waste containers were lined with two layers of 6-mil polyethylene sheeting. After ACM pipe was loaded in the containers, the two layers of polyethylene sheeting were sealed using adhesive tape. The roll-off used to transport friable ACM piping also had an impermeable metal cover instead of a tarp. The

roll-off container and trailer exterior, wheels, and undercarriage were visually inspected within the load out area to identify (and remove, if observed) accumulated soil prior to transporting excavated materials offsite. The waste transporter (Classic) had a waste transporter permit (6 NYCRR Part 364). Before any materials were transported from the site, a hazardous or non-hazardous waste manifest, or bill-of-lading (as appropriate) was prepared and signed by National Grid's representative for each vehicle transporting materials offsite. All truck traffic to and from the site followed the designated truck route established for the project.

2.6.3 Handling of Soil

Materials excavated within the ISS limits, which were previously characterized as non-hazardous by the sampling and analysis performed as part of the PDI and pre-construction activities, were re-used where appropriate, or disposed of at Ontario County landfill, as indicated in the subsections below.

Re-Use Materials

Topsoil from 0 to 6 inches and asphalt stone sub-base excavated within the ISS was stockpiled on site for possible re-use. Topsoil was re-used provided that the material: (1) exhibited no visible NAPL; and (2) met the requirements presented in 6 NYCRR Part 375-6.7(d)(1)(ii)(c), consisting of the lower of the protection of groundwater standards or protection of public health standards for restricted commercial use as presented in 6 NYCRR Part 375-6.8(b). Stone sub-base was re-used provided that the material: (1) exhibited no visible NAPL; and (2) met geotechnical requirements. Stone sub-base contained less than 10% of material by weight passing through a size 80 sieve, and therefore sampling and laboratory analysis were not required per the provisions in DER-10 Section 5.4(e)(5). A total of 536 tons of material were re-used.

Remaining Soils

Materials that were observed to contain no visible NAPL were transported offsite to the Ontario County Landfill for disposal as a non-hazardous waste. This constituted all soil from 0 to 4 feet bgs not suitable for re-use as backfill (for geotechnical reasons) that was excavated as part of the remedial action. A total of 4,412 tons of material were transported for offsite disposal.

2.7 Backfilling and Compaction

This subsection summarizes backfilling, compaction, and related activities, including placement and installation of the demarcation layer and geogrid. The ISS area was backfilled using the following materials:

- Re-use stone sub-base meeting the criteria described in Section 2.6.3 was used as backfill in the northern portion of the ISS area from a depth of approximately 2 to 4 feet bgs, as shown on Record Drawing 5.

- Clean fill (bank-run gravel) from the Granby Mine in Granby, New York was used to backfill the ISS area to a depth of approximately 6 or 14.5 inches bgs for areas to be restored with grass or asphalt, respectively.

- #2 stone from the Marcellus Plant in Marcellus, New York was used to backfill portions of the ISS area from a depth of approximately 6.5 to 14.5 inches bgs for areas restored with asphalt.

- Re-use topsoil meeting the criteria described in Section 2.6.3 was used as backfill in vegetated areas within the ISS limits from a depth of approximately 0 to 6 inches bgs.

- Clean topsoil (105 CY) from the Gerber Topsoil (Gerber) in Kirkville, New York was used as supplemental backfill in vegetated areas within the ISS limits.

Laboratory reports for samples of fill materials are included in the attached CD. The fill materials were placed and compacted within the ISS limits in approximately 12-inch lifts. Backfill soil was compacted using a vibratory roller and tested using conventional methods. In-place field density testing was performed by PW Laboratories, Inc. (PW Laboratories) for every lift (1 test for each approximately 1,500 to 1,700 sf which exceeded the 1 test per 2,500 sf minimum requirement in the RD) to verify that relative compaction for each lift was greater than 95% maximum dry density as determined by Standard Proctor testing (American Society for Testing and Materials [ASTM] D698). The offsite backfill source (bank-run gravel) was tested by Atlantic Testing Laboratories (Atlantic) for grain size sieve (ASTM D422) and dry density (ASTM D698) prior to placement onsite. In addition, six grab samples (samples SBRG-1 through SBRG-6) of the imported clean fill (bank-run gravel) from the Granby Mine were submitted for laboratory analysis of TCL VOCs, and two composite samples (SBRC-1 and SBRC-2) were submitted for PCBs, pesticides, herbicides, TCL SVOCs, and TAL inorganic constituents to verify that the proposed materials met analytical requirements, which consisted of the lower of the restricted-commercial use or the protection of groundwater SCOs presented in 6 NYCRR Part 375-6.8(b). The analytical results for these samples were less than the analytical requirements established for the project and are presented in Table 4.

In connection with the backfilling and compaction activities described above, demarcation and geotechnical layers were placed across the ISS area. Three different types of materials were placed within the ISS limits, as described below.

- Orange demarcation layer (consisting of polyethylene construction fencing) was placed at the interface between solidified soil and imported clean fill /re-use stone sub-base.

- Black woven geotextile was placed above the bank-run gravel fill and below stone sub-base (#2 stone) for areas to be restored with asphalt.

- Black geogrid was placed within the ISS limits to be restored with asphalt to improve bearing capacity for existing subgrade in paved areas. The geogrid was placed directly above the geotextile. Geogrid was overlapped a minimum of 2 feet with existing geogrid and secured with zip-ties.

The orange demarcation layer was placed over solidified soils to indicate that SMP requirements will be triggered for any ground intrusive work extending below the demarcation layer. Clean fill from the Granby Mine, asphalt, and/or topsoil was placed over this demarcation layer to meet the requirements of the cover system outlined in the ROD (and to be specified in the SMP). In addition, LAND also placed a demarcation layer at the bottom of the relocated potable water utility trench excavated within the ISS limits. The SMP is further discussed in Section 5 of this report.

Elevation contours of the orange demarcation layer/ISS surface are shown on Record Drawing 4. In-place field density tests results are included in Appendix C.

2.8 Equipment Decontamination

All equipment that came in contact with impacted soil was decontaminated, and the materials generated during the decontamination activities were transported for offsite disposal with the impacted soil or containerized in the onsite frac tank, treated, and discharged to the Metro STP, as described in Section 2.9 below.

Equipment decontamination was performed via dry methods (brushing, wiping) and wet methods (water spray). The minimal liquids generated by decontamination were absorbed by the impacted soil that was transported for offsite disposal or containerized in an onsite frac tank (as discussed in Section 2.9). Equipment that came in contact with impacted soil was decontaminated prior to placement and compaction of backfill material, prior to leaving the site.

2.9 Wastewater Treatment and Discharge

A frac tank and temporary onsite wastewater treatment system were mobilized to the site prior to work activities. Approximately 4,612 gallons of groundwater was pumped from the utility trench excavated for the 8-inch potable water pipe to an onsite frac tank where it was temporarily staged

onsite. Onsite water treatment included pumping water through a 25 micrometer (um) filter and vessel containing activated carbon. Treated groundwater was sampled for VOCs, metals, PCBs, cyanide, chloride, oil and grease, and pH. Analytical results for treated groundwater are presented in Table 12. The laboratory analytical data report for the treated groundwater sample is included in the attached CD. The pre-treated wastewater was discharged to the Metro STP (via a manhole west of the excavation/ISS area) for final treatment under a permit issued by OCDWEP on May 24, 2012. Copies of the wastewater discharge permit and a May 21, 2012 letter from the NYSDEC that supported the permit issuance are included on the attached CD and in Appendix A, respectively. The associated wastewater treatment materials (e.g., activated carbon, filters) were transported to Ontario County Landfill for offsite disposal as a non-hazardous waste.

2.10 Air Quality Monitoring Program

Airborne monitoring for particulate matter less than 10 micrometers in diameter (PM_{10}) and for VOCs was conducted during the remedial action when ground intrusive work was being performed. Airborne monitoring consisted of: (1) exclusion zone air-monitoring for evaluating construction worker health and safety; and (2) community air monitoring to determine the levels of VOCs and total suspended particulates at the work area perimeter.

Air monitoring was performed by Colden in accordance with the NYSDOH Generic Community Air-Monitoring Plan (CAMP) and site-specific CAMP included in the RD. The provisions included real-time air-monitoring for VOCs and PM_{10} at one perimeter upwind station and two perimeter downwind stations of the work area. An additional monitoring station was located at the nearest receptor, the CMB, regardless of its relationship to wind direction.

Air quality monitoring was also performed during asbestos abatement activities by LAND's contractor (Spectrum Environmental Associates, Inc.). Air monitoring included collecting air-monitoring samples for laboratory analysis of asbestos fibers. Monitoring was performed at six locations, including: (1) one ambient location; (2) two decontamination area locations; and (3) three perimeter locations.

2.10.1 Exclusion Zone Air Monitoring Program

The air quality within the exclusion zone was monitored to ensure worker health and safety in accordance with requirements specified in 29 Code of Federal Regulations (CFR) 1910.120. Based on the air monitoring results during the remedial action, all work excluding asbestos abatement was performed in Modified Level D personal protective equipment, and no upgrades to higher level protection work were required. Asbestos abatement activities were performed in Level B personal protective equipment.

2.10.2 Community Air Monitoring Program

The CAMP was established and followed to address the following objectives:

- Monitor concentrations of VOCs and total suspended particulates to protect human health and the environment.

- Provide an early warning system so engineering controls could be enacted to prevent unnecessary exposure to emissions resulting from project activities.

- Measure and document the concentrations of VOCs and total suspended particulates for determining compliance with the established air-monitoring limits.

Air monitoring was continuously performed and readings were recorded in 15 minute increments by instrument data loggers. Manual readings were obtained on an approximately hourly basis. The air monitoring data recorded by data loggers and the air monitoring data recorded manually is included in the attached CD.

VOCs were monitored using a MiniRAE 2000 (PGM 7600) equipped with a photoionization detector (PID) that was calibrated each day to a 100 ppm isobutylene air standard. PM_{10} monitoring was performed using a TSI Dust Trak Aerosol Monitor. The project specific action levels of 5 ppm (above background) for VOCs and 150 micrograms per cubic meter ($\mu g/m^3$) (above background) for PM_{10} were based on the average ambient readings calculated for continuous 15-minute increments.

PM_{10} readings downwind from the work area exceeded the action level on two occasions as identified below:

- March 30, 2012 – An exceedance was measured at a downwind monitoring station due to a diesel truck idling upwind of the air monitoring station.

- April 30, 2012 – An exceedance was measured at a downwind monitoring station for one 15-minute interval when the blast furnace slag cement silo was being refilled and a cam-lock hose connector unfastened due to vibrations in the line. The BFS cement dust released into the air quickly dissipated, and air monitoring levels returned to normal within 2 minutes.

The 15-minute average action levels were not exceeded at any remaining VOC and PM_{10} air monitoring stations for the duration of the project. There were no exceedances of air monitoring action levels related to excavation or handling of impacted materials during the project. Dust

suppression measures were preemptively implemented throughout remedial action based on visual observations and weather conditions (e.g., temperature, air moisture, wind speed) and included:

- Applying a water spray on open excavations/ISS mixing cells, excavation/ISS equipment, dump trucks, and haul roads.
- Limiting travel speeds on haul roads.
- Covering material staging areas with polyethylene sheeting.

The community air monitoring results were discussed with the NYSDEC and NYSDOH on a weekly basis. The results were also summarized and presented in the weekly field construction progress reports (refer to the attached CD). The raw air monitoring data output by the air monitoring instruments are also included on the CD. Due to data-logging errors, the instrument data logger readings for VOCs and/or PM_{10} at select locations from February 27, 2012 through June 13, 2012 are not available. For these events, the manually-recorded air monitoring results provide documentation of the air monitoring data (attached CD). Air monitoring for the project ended on June 28, 2012 (with NYSDEC/NYSDOH approval) after a minimum of 3 feet of clean backfill was placed within the ISS limits, decontamination activities were completed, and all impacted material was transported off site.

Odors were assessed continuously throughout remedial action. No significant odors were identified by field or CMB personnel during remedial action. A Biosolve® spray was available, but not required for odor suppression during the remedial action.

2.10.3 Airborne Asbestos Air Monitoring Program

Airborne asbestos within the Exclusion Zone was monitored by LAND's subcontractor (Spectrum Environmental Associates, Inc. [Spectrum]) to ensure worker health and safety in accordance with requirements specified in NYSDOL Code Rule 56. Based on the potential for airborne asbestos fibers, asbestos abatement work was performed in Level B personal protective equipment.

Samples were collected each day during asbestos abatement activities (from June 6, 2012 through June 8, 2012) from six locations around the asbestos abatement area. Laboratory analysis of asbestos fibers was performed by Spectrum by National Institute for Occupational Safety and Health (NIOSH) Method 7400. Analytical results for airborne asbestos fibers were less than the satisfactory clearance air sample criteria of 0.01 fibers per cubic centimeter, as identified in Section 4-11 of NYSDOL Code Rule 56. The results are provided in attached CD.

2.11 Site Restoration and Demobilization

Following completion of backfilling activities within the ISS limits, LAND surveyed the surface elevation and performed additional grading activities (as necessary) to achieve target elevations and provide positive drainage to curb drains, catch basins, and grass-covered areas to the north of the ISS limits. The post-remediation locations of utilities are shown on Record Drawing 6. LAND's paving contractor (James V. Spano, Inc. [Spano]) performed asphalt paving activities, including: (1) fine grading backfilled materials; (2) milling 1.5 inches of asphalt pavement from select areas adjacent to the ISS limits to provide a smooth transition to existing pavement; (3) placing and compacting 3 inches of NYSDOT Type 1 asphalt base course; (4) placing and compacting 2 inches of NYSDOT Type 3 asphalt binder course; (5) placing and compacting 1.5 inches of NYSDOT Type 6 asphalt top course; and (6) painting parking lines.

The asphalt top course of driveways and parking areas in and around the ISS work area that were paved by Spano were milled and repaved (using NYSDOT Type 7F asphalt) by LAND's contractor (Lan-Co Companies, Inc. [Lan-Co]). This re-work was performed to correct the following issues with the initial paving: (1) out-of-spec top course material (NYSDOT Type 6 asphalt, which has coarser aggregate than the Type 7F material) had inadvertently been used during the initial restoration activities; (2) patches had been made in the pavement in several areas where water was observed to pond, and the patches detracted from the overall appearance of the new pavement and presented a concern in terms of their ability to withstand the wear from repeated snow plowing; and (3) water ponded in remaining low spots, which presented concerns related to ice formation in winter and long-term durability of the pavement.

Areas previously consisting of mowed lawn before the ISS project were restored by placing approximately 6 inches of re-use topsoil within and adjacent to the ISS limits followed by hydro seeding. Stones present in the re-use topsoil were a safety concern for County mowing equipment/personnel. Therefore, approximately 105 CY of additional clean topsoil (without stones) was imported from Gerber and placed on re-use soils. This new topsoil was then hydro seeded.

Following a heavy precipitation event on September 18, 2012, CMB personnel identified standing water at the interface of topsoil and asphalt northeast of the CMB. A shallow swale was also constructed northeast of the CMB on October 25, 2012 to improve surface water drainage in the area, as shown on Record Drawing 6. The swale was hydro seeded on October 26, 2012.

All staging areas were dismantled, and the materials used to construct the staging areas were transported for offsite disposal at the conclusion of the remedial action. Upon completion of site restoration and decontamination activities, all equipment, materials, temporary site facilities, and other resources were demobilized from the site. Such activities were substantially completed by the

end of September 2012. Post-remediation conditions and topography are shown on Record Drawing 6, and the clean cover system limits are shown on Record Drawing 7.

2.12 Deviations from Remedial Design

The following is a summary of the deviations from the NYSDEC-approved Remedial Design. The deviations were approved by the NYSDEC and/or OCDWEP based on field conditions and/or changes proposed by the remedial contractor to facilitate remedy implementation:

- A conference call was held on February 21, 2012 with NYSDEC, National Grid, and ARCADIS to discuss the reduction of the ISS area. The topics discussed during the conference call include the following: (1) the location of permanent utilities (20-inch diameter HPGL and 34.5 kV electric duct bank) identified along the eastern ISS limits during pre-construction activities; (2) restrictions and safety considerations associated with the permanent utilities; and (3) limits of the reduced ISS area.

  The NYSDEC accepted the modification in a February 24, 2012 letter to National Grid (Appendix A) with the following requirements: (1) the excluded area (the difference between the ISS limits identified in the ROD and actual shown on Figure 7) be solidified or otherwise remediated to the satisfaction of the NYSDEC in the event that the pressurized gas main is removed or relocated for future upgrades; and (2) two additional monitoring wells be installed to monitor potential migration of NAPL and groundwater changes in the excluded area.

  Soil within the excluded area was not solidified during the remedial action, and monitoring wells MW-36S and MW-36D (Figure 2) were installed in accordance with the February 24, 2012 letter. The additional monitoring wells were used to gauge groundwater/NAPL during the remedial action (see Section 2.2).

- The western limit of mixing cells #54 and 55 was relocated approximately 5 feet to the east due to the presence of an 8-inch HDPE water pipe providing service to an adjacent fire hydrant. The revised ISS limits resulted in a reduction of approximately 39 CY of material from being solidified.

  The NYSDEC observed the water pipe during the May 3, 2012 weekly progress meeting and discussed reducing the ISS limits of mixing cells #54 and 55. A description of the revised ISS limits is presented in May 4, 2012 e-mail correspondence to the NYSDEC (Appendix A).

- Sand was substituted for run of crusher stone backfill for backfilling around the relocated natural gas and water pipes at the site. Sand backfill pre-characterized for the National Grid – Sconondoa Street (Oneida) Former MGP site remediation project was used because the required submittals (i.e., sieve, compaction, and analytical results) were readily available.

Analytical results for the sand backfill staged at the Sconondoa Street site were less than the soil cleanup objectives identified in the Remedial Design (i.e., the lower of the protection of groundwater standards or protection of public health standards for commercial use as presented in 6 NYCRR Part 375-6.8(b). NYSDEC agreed to use of sand backfill at the Hiawatha Boulevard site based on the supporting analytical results from the Sconondoa Street site in e-mail correspondence dated May 24, 2012 (Appendix A).

- The UST uncovered in mixing cell #4 was crushed and transported offsite for recycling. Based on the small size of the UST and its location (within an area to be addressed by ISS), the NYSDEC indicated during the April 12, 2012 weekly onsite construction meeting that further notifications and a separate closure report for UST closure were not required.

- Poly-wrapped ductile iron was substituted for HDPE piping for the potable water pipe providing service to the CMB at the request of OCDWEP.

2.13 Green Remediation Components

The ISS remedial action used several green remediation technologies/practices to maximize the net environmental benefit, as identified in the ROD. Green remedial components used during the remedial action included:

- ***In-Situ Treatment*** – 15,750 tons of NAPL-containing soil were solidified in-place instead of being excavated and transported approximately 58 miles to the Ontario County Landfill. An equivalent tonnage of clean fill would also have been transported 24 miles to the site. This also eliminated the need for sheetpile wall associated with deep excavation (24 feet) and associated excavation dewatering.

- ***Re-Use/Recycling***

  - 536 tons of material were re-used onsite as backfill/topsoil.

  - 350 tons of asphalt were excavated and transported for offsite recycling at Barrett Paving.

  - 41 tons of metal piping were transported for offsite recycling at Roth Steel.

  - 375 lineal feet of existing granite curbing were re-used by LAND Remediation (offsite) or provided to others for re-use.

- ***Onsite Treatment*** – 4,612 gallons of remedial related water were pre-treated onsite and then discharged to the Metro STP, instead of being transported by truck to a regional industrial wastewater treatment facility.

- ***Conservation*** – A leak in the 8-inch diameter water supply pipe to the County's facility was discovered and addressed by replacing the water pipe, which eliminated a loss of potable water and resulted in a 15 to 20 pounds per-square-inch water pressure increase in the County's secondary system.

3. Solidified Soil Quality Assurance/Quality Control Sampling

A total of 20 solidified soil QA/QC samples were collected from ISS mixing cells immediately following mixing activities. QA/QC samples were collected at a frequency of approximately one sample per 484 CY, which is a greater frequency than the 1 sample per 500 CY minimum requirement presented in the RD. Samples were collected from the center of mixing cells at the locations and depths identified in Table 6.

Soil/grout slurry samples were collected using a man-lift and a pole with a sampling canister that could be opened and closed (via a manually activated valve) to collect material from the desired sampling interval. The soil/grout slurry samples were collected at a variety of different depth intervals, as indicated in Table 6. Soil/grout slurry material from each sampling location was poured into four 3-inch by 6-inch cylinder molds and allowed to cure.

After 7 days of curing onsite, a cylinder was submitted to PW Laboratories for analysis of unconfined compressive strength (UCS) by ASTM Method D1633. Two additional cylinders were submitted to PW Laboratories after 28 days of curing for analysis of UCS and permeability by ASTM Method D1633 and D5084, respectively. Each of the UCS sample results was greater than the minimum 50 pounds per square inch (psi) performance requirement specified in the RD. Each of the permeability sample results were less than the maximum $1x10^{-6}$ centimeters per second (cm/sec) performance requirement specified in the RD. The solidified soil QA/QC sample locations are shown on Record Drawing 3. The solidified soil QA/QC sample results are presented in Table 6. The laboratory analytical data reports for the solidified soil QA/QC samples are included on the attached CD.

4. Chronology of Events

Key activities performed during the ISS remedial action and milestone completion dates are presented in Table 4-1 below.

Table 4-1
Chronology of Events

Activity	Milestone Completion Date
Record of Decision Issued	March 2010
Remedial Design Work Plan Submitted	July 2010
NYSDEC Approval of Remedial Design Work Plan	August 2010
Pre-Design Investigation and In-Situ Soil Solidification Bench-Scale Treatability Study Report Submitted	March 2011
NYSDEC Approval of Pre-Design Investigation and In-Situ Soil Solidification Bench-Scale Treatability Study Report	May 2011
Remedial Design Submitted and Approved	September 2011
Bidding and Contractor Procurement	December 2011
Contractor Award	January 2012
Community Fact Sheet	February 2012
Remedial Action	
• Mobilization	February 2012
• Pre-Construction Activities	March 2012
• In-Situ Soil Solidification	May 2012
• Solidified Soil Quality Assurance/Quality Control Sampling	
• Soil Excavation	June 2012
• Utility Handling	
• Wastewater Treatment and Discharge	
• Air Quality Monitoring	
• Groundwater/NAPL Gauging, Removal, and Offsite Disposal	July 2012
• Soil and Debris Handling, Re-Use, and Offsite Disposal	
• Backfilling and Compaction	
• Equipment Decontamination	
• Site Restoration and Demobilization	September 2012
Final Inspection	June 2013

5. Post-Remediation Activities

This section summarizes the post-ISS remedial action activities to be conducted. These activities include: (1) implementation of engineering and institutional controls; (2) implementation of the groundwater remedy identified in the ROD; and (3) implementation of a site-wide long-term monitoring program.

5.1 Engineering Controls

Engineering controls to protect human health and the environment at the site include:

- Clean cover system – A surface cover system was installed within the ISS limits during site remediation as detailed below. The cover system exceeds the minimum one-foot thick cover requirement presented in the ROD for clean soil or pavement. Depending on the particular area within the ISS limits, this cover system consists of the following: (1) at least 2 feet of clean fill meeting restricted-commercial use soil SCOs (for landscape areas); and (2) clean fill plus a paving system (asphalt) totaling at least 2 feet thick. Cover system limits are shown on Record Drawing 7.

- Procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and in the event any subsurface MGP-impacted residuals at the site are disturbed, will be included in the interim SMP to be prepared for this site by ARCADIS on behalf of National Grid.

5.2 Institutional Controls

Institutional controls consisting of an interim SMP will be developed to address residual impacts remaining at the site following completion of the remedial action. The interim SMP will primarily address residual MGP-impacted soils that may be excavated from the site during potential future work that involves subsurface excavation or construction below clean cover materials and demarcation layers. The interim SMP will identify known locations where MGP-impacted subsurface soil (including soil that contains constituents at concentrations exceeding the restricted-industrial use SCOs) remains at the site and requires the following:

- Keeping clean cover materials in place. Cover materials at the site consist of: (1) at least 2 feet of clean fill meeting the lower of restricted-commercial use or protection of groundwater SCOs; and (2) clean fill plus a paving system (asphalt) totaling at least 2 feet thick.

- Inspection and maintenance activities to be performed for the cover materials.

- Installation of a vapor barrier and sub-slab depressurization (SSD) system piping during construction of enclosed buildings/structures intended for human occupancy, and installation and operation of a full SSD system, if needed, based on results of indoor air monitoring during or after building construction.

- Compliance with the Excavation Work Plan (to be included in the interim SMP) during the performance of intrusive subsurface activities extending below the clean cover materials and demarcation layers.

- Characterization of soil excavated below the cover materials (and demarcation layers) and appropriate management of that soil (re-use as subsurface fill or offsite disposal as set forth in the interim SMP).

- Groundwater monitoring at a subset of wells to monitor groundwater conditions following completion of the remedial action.

- Preparation and submittal of a periodic review report (to be submitted to the NYSDEC at a frequency not exceeding five years) demonstrating that the engineering and institutional controls are being maintained and remain effective.

Pursuant to the ROD, an environmental easement will be established for the site following the completion of the groundwater remedy presented in Section 1.5. The easement will be included in the Final Engineering Report and will accomplish the following:

- Restricts future use and development of the site to restricted-industrial.

- Restricts groundwater use as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH.

- Notifies future property owners of the presence of MGP residuals in soil and groundwater at the site.

- Requires compliance with the approved interim SMP.

- Requires monitoring to assess the performance and effectiveness of the remedy.

- Requires the property owner to complete and submit to the NYSDEC a periodic certification of the institutional and engineering controls.

5.3 Groundwater Remedy

As indicated in Section 1.5, the groundwater remedy identified in the ROD includes enhancing bioremediation to improve the conditions for naturally-occurring bacteria to degrade MGP-related impacts in groundwater. A bench-scale treatability study was performed from October 2010 through April 2011 to evaluate the potential effectiveness of enhancing bioremediation of MGP-related constituents by different microbial pathways and potential site conditions. The results of the bench-scale treatability study indicated that naturally occurring microbial populations within the subsurface environment have the ability to degrade COCs, as presented in the *Enhanced Groundwater Bioremediation Bench-Scale Treatability Study Report* (ARCADIS 2012). The full-scale enhanced groundwater treatment system will be implemented following completion of a pilot-scale study and remedial design.

6. Operation and Maintenance Activities/Site-Wide Long-Term Monitoring Program

Following the completion of remedial construction activities at the site, a site-wide monitoring program will be implemented. Site monitoring associated with the ISS remedial action will be performed to evaluate the performance and effectiveness of the ISS actions and soil cover system to reduce or mitigate MGP-related subsurface residuals at the site. This program is anticipated to include groundwater monitoring and inspections of the cover system. Groundwater monitoring and a surface cover inspection will be performed by National Grid, or their representative, until otherwise approved by the NYSDEC. The frequency of groundwater monitoring and cover system inspection will be identified in the interim SMP. The specific requirements and performance goals of this program will be discussed in more detail in the interim SMP.

7. Final Inspection and Certifications

A final inspection was performed at the site following completion of remedial activities on June 26, 2013 and was attended by personnel from USEPA, National Grid, OCDWEP, and ARCADIS. The final inspection included a site walk and discussion of the completed remedial activities. No additional follow-up/closeout action items were identified for completion. A description of the site restoration and demobilization activities is presented in Section 2.11. A certification indicating that the remedial activities were implemented in substantial conformance with the Consent Order, DER-10, the ROD, and the Remedial Design is presented following the cover page of this report.

8. Contact Information

Contact information for key project personnel is presented in Table 8-1 below.

Table 8-1
Project Team Contact List

Name	Title	Office Phone	Email
National Grid			
Jim Morgan	Project Manager	315.428.3101	james.f.morgan@us.ngrid.com
Brian Stearns	Principal Environmental Engineer	315.428.5731	brian.stearns@us.ngrid.com
Onondaga County Department of Water Environment Protection			
Dave Snyder	Project Manager	315.435.2260 x347	davesnyder@ongov.net
Mike Lannon	Deputy Commissioner	315.435.2260	mikelannon@ongov.net
New York State Department of Environmental Conservation			
Tony Karwiel	Project Manager	518.402.9816	alkarwie@gw.dec.state.ny.us
Amen Omorogbe	Project Supervisor	518.402.9662	amomorog@gw.dec.state.ny.us
Eric Knapp	Construction Oversight	NA	esknapp@gw.dec.state.ny.us
New York State Department of Health			
Dick Jones	Community Health & Safety Oversight	315.477.8148	rej05@health.state.ny.us
United States Environmental Protection Agency			
Mark Granger	Project Manager	212.637.3351	granger.mark@epa.gov
LAND Remediation			
William Lindheimer	Project Manager	518.766.4105	wpl@land-remediation.com
Keith Decker	Project Director	518.776.4105	kad@land-remediation.com
ARCADIS			
John Brussel	Project Manager/Principal Engineer	315.671.9441	john.brussel@arcadis-us.com
Matt Hysell	Assistant Project Manager	315.671.9189	matt.hysell@arcadis-us.com

9. References

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Appendix A

Project Correspondence

Appendix B

Representative ISS Remedial Action Photographs

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Appendix C

Results of In-Place Density Tests
Performed on Fill Materials

ARCADIS

Tables

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-8	B-9	B-10	B-11	B-12	MW-1D	MW-2D	MW-3D	
Sample Depth(Feet):	Industrial	15	15	15	15	15	15	15	15	15	15	15	15	20	18 - 20	22 - 24	12 - 14	18 - 20
Date Collected:	Use SCOs	02/06/02	01/16/02	01/16/02	01/31/02	02/06/02	12/03/01	12/03/01	01/28/02	01/28/02	11/16/01	11/16/01	11/16/01	01/04/02	02/25/98	02/24/98	02/20/98	02/20/98
Soil Removed at Sample Location:																		
Soil Stabilized at Sample Location :																		
Detected PCBs																		
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.033
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.033
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.033
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.033
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.067
Detected VOCs																		
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14 B
Benzene	89	<0.0070	<0.0060	<0.0070	<0.0070	0.027 J	0.90 [0.47 J]	0.0090	<0.0070	NA	<0.0060	<0.0080	<0.0070	0.17	<0.010	<0.010 [<0.010]	<0.010	0.015 J
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Ethylbenzene	780	<0.0070	<0.0060	<0.0070	<0.0070	0.076 J	0.75 [0.29 J]	<0.0070	<0.0070	NA	<0.0060	<0.0080	<0.0070	0.13	<0.010	<0.010 [<0.010]	0.058	0.0090 J
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Naphthalene	1,000	0.52	2.5	<0.44	0.14 J	8.3	21 J [40 JE]	0.12 J	NA	0.16 J	0.093 J	0.63	2.1	31	0.10 J	<0.33 [<0.33]	2.6	0.085 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010
Toluene	1,000	0.0040 J	<0.0060	<0.0070	<0.0070	0.053 J	3.7 [12 J]	0.0050 J	<0.0070	NA	<0.0060	<0.0080	<0.0070	0.53	<0.010	<0.010 [<0.010]	0.012 J	0.026
Xylenes (total)	1,000	0.018 J	<0.0060	<0.0070	<0.0070	0.25 J	7.6 [3.8 J]	0.011	<0.0070	NA	<0.0060	<0.0080	0.0060 J	2.3	<0.010	<0.010 [<0.010]	0.64	0.13
Total BTEX	- -	0.022 J	<0.0060	<0.0070	<0.0070	0.40 J	13 [16 J]	0.025 J	<0.0070	NA	<0.0060	<0.0080	0.0060 J	3.1	<0.010	<0.010 [<0.010]	0.71 J	0.18 J
Total VOCs	- -	0.022 J	<0.0060	<0.0070	<0.0070	0.40 J	13 [16 J]	0.025 J	<0.0070	NA	<0.0060	<0.0080	0.0060 J	3.1	<0.010	<0.010 [<0.010]	0.71 J	0.32 J
Detected SVOCs																		
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
2-Methylnaphthalene	- -	0.23 J	<0.43 J	<0.44	<0.46	2.4	8.0 J [17 J]	<0.50	0.074 J	NA	0.19 J	0.53	1.8	11	0.058 J	<0.33 [<0.33]	0.11 J	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.80
Acenaphthene	1,000	0.077 J	0.23 J	<0.44	<0.46	0.18 J	1.5 J [3.3 J]	<0.50	<0.45	NA	0.034 J	0.077 J	0.21 J	1.8 J	0.22 J	<0.33 [<0.33]	<0.33	<0.33
Acenaphthylene	1,000	0.13 J	1.1	<0.44	<0.46	0.86	6.8 J [13 J]	NA	0.050 J	NA	0.063 J	0.20 J	1.8	13	0.046 J	<0.33 [<0.33]	<0.33	<0.33
Anthracene	1,000	0.085 J	1.9	<0.44	<0.46	<0.54	9.5 J [20 J]	<0.50	0.083 J	NA	0.28 J	0.74	1.2	9.5	1.8	<0.33 [0.015 J]	0.017 J	<0.33
Benzo(a)anthracene	11	0.052 J	1.2	<0.44	<0.46	<0.54	6.3 J [14 J]	<0.50	0.13 J	NA	0.078 J	0.41 J	<0.47	3.4 J	2.0	<0.33 [0.020 J]	0.067 J	<0.33
Benzo(a)pyrene	1.1	<0.48	0.97 J	<0.44	<0.46	<0.54	4.8 J [9.8 J]	<0.50	NA	0.12 J	0.077 J	0.35 J	<0.47	2.4 J	1.4	<0.33 [<0.33]	0.064 J	<0.33
Benzo(b)fluoranthene	11	<0.48	0.74	<0.44	<0.46	<0.54	4.4 J [13 J]	<0.50	NA	0.11 J	0.056 J	0.30 J	<0.47	1.7 J	1.0 J	<0.33 [<0.33]	0.052 J	<0.33
Benzo(g,h,i)perylene	1,000	0.023 J	0.39 J	<0.44	<0.46	0.54 J	1.5 J [3.7 J]	<0.50	NA	0.077 J	<0.41	0.18 J	<0.47	0.91 J	0.70 J	<0.33 [<0.33]	0.029 J	<0.33
Benzo(k)fluoranthene	110	<0.48	0.82	<0.44	0.46 J	<0.54	3.8 J [7.0 J]	<0.50	NA	0.15 J	0.076 J	0.34 J	<0.47	2.5 J	1.2	<0.33 [<0.33]	0.071 J	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21 JB
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
Chrysene	110	0.046 J	1.1	<0.44	<0.46	<0.54	5.1 J [10 J]	<0.50	NA	0.16 J	0.087 J	0.44 J	<0.47	3.0 J	1.9	<0.33 [0.021 J]	0.074 J	<0.33
Dibenzo(a,h)anthracene	1.1	<0.48	0.12 J	<0.44	<0.46	<0.54	<1.8 [1.5 J]	<0.50	NA	<0.45	<0.41	<0.51	<0.47	<4.6	U	<0.33 [<0.33]	<0.33	<0.33
Dibenzofuran	1,000	0.16 J	0.66	<0.44	<0.46	0.45 J	5.4 J [12 J]	<0.50	NA	<0.45	0.23 J	0.36	1.3	5.8	NA	NA	NA	<0.33
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33
Fluoranthene	1,000	0.092 J	2.6	<0.44	<0.46	<0.54	13 J [27 J]	<0.50	NA	0.18 J	0.14 J	1.4	0.10 J	10	3.5	<0.33 [0.042 J]	0.11 J	0.020 J
Fluorene	1,000	0.18 J	1.2	<0.44	<0.46	0.62	7.8 J [17 J]	<0.50	NA	<0.45	0.16 J	0.44 J	1.4	9.5	0.37 J	<0.33 [<0.33]	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	11	<0.48	0.45	<0.44	0.46 J	<0.54	2.1 J [4.8 J]	<0.50	NA	0.071 J	0.057 J	0.23 J	<0.47	1.2 J	0.84 J	<0.33 [<0.33]	0.036 J	<0.33
Naphthalene	1,000	0.52	2.5	<0.44	0.14 J	8.3	21 J [40 JE]	0.12 J	NA	0.16 J	0.093 J	0.63	2.1	31	0.10 J	<0.33 [<0.33]	2.6	0.085 J
Phenanthrene	1,000	0.16 J	3.4	<0.44	<0.46	<0.54	150 J [34 J]	<0.50	NA	0.17 J	0.67 J	1.4	2.4	19	3.4	<0.33 [0.041 J]	0.067 J	<0.33
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 J
Pyrene	1,000	0.073 J	2.1	<0.44	0.46 J	<0.54	8.8 J [19 J]	<0.50	NA	0.17 J	0.099 J	0.78	<0.47	6.5	3.4	<0.33 [0.033 J]	0.094 J	0.020 J
Total PAHs	- -	1.7 J	21 J	<0.44	1.5 J	13 J	250 J [250 J]	0.12 J	NA	1.7 J	2.2 J	8.5 J	11 J	130 J	22 J	<0.33 [0.17 J]	3.4 J	0.13 J
Total SVOCs	- -	1.8 J	22 J	<0.44	1.5 J	13 J	260 J [270 J]	0.12 J	NA	1.7 J	2.4 J	8.8 J	12 J	130 J	22 J	<0.33 [0.17 J]	3.4 J	0.47 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-8	B-9	B-10	B-11	B-12	MW-1D	MW-2D	MW-3D	
Sample Depth(Feet):	Industrial	15	15	15	15	15	15	15	15	15	15	15	15	20	18 - 20	22 - 24	12 - 14	18 - 20
Date Collected:	Use SCOs	02/06/02	01/16/02	01/16/02	01/31/02	02/06/02	12/03/01	12/03/01	01/28/02	01/28/02	11/16/01	11/16/01	11/16/01	01/04/02	02/25/98	02/24/98	02/20/98	02/20/98
Soil Removed at Sample Location:																		
Soil Stabilized at Sample Location :																		
Detected Pesticides																		
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0062 JP
Detected Inorganics																		
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,290
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.10 B
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.640
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.7
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.320
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.320
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	177,000 E
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.40 B
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.50 B
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.00 B
Cyanide	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.780	<0.880 [<0.860]	4.08	<0.800
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,730 E
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.10
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,780 E
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	207
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.150
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.00 B
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	446 BE
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.740 BN
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.320
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,170 E
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.640
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.10 B
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.7
Detected Miscellaneous																		
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	MW-4D		MW-5D			MW-6S	MW-7D			MW-8D		MW-18D	MW-19S
Sample Depth(Feet):	Industrial	21 - 23	27 - 29	14 - 16	18 - 20	26 - 28	10 - 12	8 - 10	20 - 22	26 - 28	20 - 22	22 - 24	10 - 14	5 - 6
Date Collected:	Use SCOs	02/23/98	02/23/98	02/18/98	02/18/98	02/18/98	07/20/95	07/18/95	07/18/95	07/18/95	02/17/98	02/17/98	12/20/02	01/07/03
Soil Removed at Sample Location:														
Soil Stabilized at Sample Location :														
Detected PCBs														
Aroclor-1242	- -	<0.033	NA	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033 [<0.033]	NA	<0.028	<0.031
Aroclor-1248	- -	<0.033	NA	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033 [<0.033]	NA	<0.028	<0.031
Aroclor-1254	- -	<0.033	NA	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033 [<0.033]	NA	<0.028	<0.031
Aroclor-1260	- -	<0.033	NA	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033 [<0.033]	NA	<0.028	<0.031
Total PCBs	- -	<0.067	NA	NA	<0.067	NA	<0.067	NA	<0.067	NA	<0.067 [<0.067]	NA	<0.054	<0.059
Detected VOCs														
2-Butanone	1,000	<0.010	NA	NA	<0.010	NA	<0.010 [<0.010]	NA	<1.2	NA	<1.2 [<1.2]	NA	0.015 J	<0.018 J
Acetone	1,000	0.016 J	NA	NA	0.032 B	NA	0.012 JB [0.028 B]	NA	<1.2	NA	<1.2 [<1.2]	NA	0.061	0.046 J
Benzene	89	0.18	0.0090 J	<0.010	0.020	<0.010	<0.010 [<0.010]	<1.2	<1.2	<1.2	<1.2 [<1.2]	<1.2 [<1.2]	0.0040 J	<0.0090
Carbon Disulfide	- -	<0.010	NA	NA	0.0040 J	NA	<0.010 [<0.010]	NA	<1.2	NA	<1.2 [<1.2]	NA	0.0030 J	0.0060 J
Chlorobenzene	1,000	<0.010	NA	NA	<0.010	NA	<0.010 [<0.010]	NA	<1.2	NA	<1.2 [<1.2]	NA	0.0030 J	<0.0090
Chloroform	700	<0.010	NA	NA	<0.010	NA	0.0030 J [0.0020 J]	NA	<1.2	NA	<1.2 [<1.2]	NA	<0.0080	<0.0090
Ethylbenzene	780	0.010 J	<0.010	0.011 J	0.069	<0.010	<0.010 [<0.010]	<1.2	1.4 J	<1.2	0.84 J [1.1 J]	0.76 J [0.69 J]	0.0040 J	0.0080 J
Methylene Chloride	1,000	<0.010	NA	NA	<0.010	NA	<0.010 [0.0020 JB]	NA	<1.2	NA	<1.2 [<1.2]	NA	0.010	<0.0090
Naphthalene	1,000	1.7	<0.33	0.22 JB	0.58 B	0.019 JB	0.087 J [0.069 J]	<0.33	120	<0.33	260 B [1,600 B]	14 B [27 B]	0.64 J	0.46 J
Styrene	- -	<0.010	NA	NA	<0.010	NA	<0.010 [<0.010]	NA	<1.2	NA	2.9 [4.0]	NA	0.0010 J	0.0050 J
Tetrachloroethene	300	<0.010	NA	NA	<0.010	NA	<0.010 [<0.010]	NA	<1.2	NA	<1.2 [<1.2]	NA	<0.0080	<0.0090
Toluene	1,000	0.023	<0.010	0.0020 J	0.051	<0.010	0.00060 J [0.0040 J]	<1.2	1.1 J	0.52 J	1.7 J [1.5 J]	4.3 [4.5]	0.0090	0.0090 J
Xylenes (total)	1,000	0.092	<0.010	0.012 J	0.48	<0.010	<0.010 [<0.010]	4.4	32	2.6	15 [21]	13 [12]	0.026	0.032
Total BTEX	- -	0.31 J	0.0090 J	0.025 J	0.62	<0.010	0.00060 J [0.0040 J]	4.4	35 J	3.1 J	18 J [24 J]	18 J [17 J]	0.043 J	0.049 J
Total VOCs	- -	0.32 J	0.0090 J	0.025 J	0.66 J	<0.010	0.016 J [0.036 J]	4.4	35 J	3.1 J	20 J [28 J]	18 J [17 J]	0.14 J	0.11 J
Detected SVOCs														
2,4-Dimethylphenol	- -	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.54 J	<0.59
2-Chloronaphthalene	- -	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.54 J	<0.59
2-Methylnaphthalene	- -	0.047 J	<0.33	0.11 J	<0.33	<0.33	0.033 J [0.026 J]	<0.33	18 J	<0.33	24 J [180 J]	1.0 J [1.0 J]	0.083 J	0.12 J
2-Methylphenol	1,000	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.54 J	<0.59
3,3'-Dichlorobenzidine	- -	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	<1.1 J	1.2
4-Methylphenol	1,000	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	0.038 J	<0.59
4-Nitroaniline	- -	<0.80	NA	NA	<0.80	NA	<0.80 [<0.80]	NA	<0.80	NA	<0.80 [<0.80]	NA	<1.1 J	1.2
Acenaphthene	1,000	<0.33	<0.33	<0.33	<0.33	<0.33	0.019 J [0.029 J]	<0.33	1.0 J	<0.33	<0.33 [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
Acenaphthylene	1,000	<0.33	<0.33	0.046 J	<0.33	<0.33	0.061 J [0.089 J]	<0.33	8.9 J	<0.33	15 J [90 J]	0.56 J [0.48 J]	<0.54 J	0.023 J
Anthracene	1,000	<0.33	<0.33	<0.33	<0.33	<0.33	0.10 J [0.31 J]	<0.33	4.0 J	<0.33	5.0 J [27 J]	0.22 J [0.22 J]	<0.54 J	<0.59
Benzo(a)anthracene	11	<0.33	<0.33	<0.33	<0.33	<0.33	0.41 J [1.0]	<0.33	1.8 J	<0.33	3.6 J [25 J]	0.21 J [<0.33]	<0.54 J	<0.59
Benzo(a)pyrene	1.1	<0.33	<0.33	<0.33	<0.33	<0.33	0.42 J [0.73]	<0.33	1.3 J	<0.33	2.9 J [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
Benzo(b)fluoranthene	11	<0.33	<0.33	<0.33	<0.33	<0.33	0.35 J [0.63]	<0.33	1.0 J	<0.33	2.6 J [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
Benzo(g,h,i)perylene	1,000	<0.33	<0.33	<0.33	<0.33	<0.33	0.087 J [0.079 J]	<0.33	<0.33	<0.33	<0.33 [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
Benzo(k)fluoranthene	110	<0.33	<0.33	<0.33	<0.33	<0.33	0.34 J [0.64]	<0.33	1.2 J	<0.33	2.8 J [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
bis(2-Ethylhexyl)phthalate	- -	0.074 J	NA	NA	0.076 JB	NA	0.081 JB [0.12 JB]	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.54 J	0.14 J
Butylbenzylphthalate	- -	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.54 J	<0.59
Carbazole	- -	<0.33	NA	NA	<0.33	NA	0.025 J [0.033 J]	NA	4.5 J	NA	2.8 J [<0.33]	NA	0.038 J	0.051 J
Chrysene	110	<0.33	<0.33	<0.33	<0.33	<0.33	0.43 J [0.97]	<0.33	1.6 J	<0.33	3.0 J [20 J]	0.18 J [<0.33]	<0.54 J	<0.59
Dibenzo(a,h)anthracene	1.1	<0.33	<0.33	<0.33	<0.33	<0.33	0.098 J [0.13 J]	<0.33	<0.33	<0.33	<0.33 [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
Dibenzofuran	1,000	<0.33	NA	NA	<0.33	NA	0.013 J [0.019 J]	NA	5.8 J	NA	8.4 J [45 J]	NA	0.043 J	0.089 J
Diethylphthalate	- -	<0.33	NA	NA	<0.33	NA	0.014 J [0.010 J]	NA	8.0 JB	NA	<0.33 [<0.33]	NA	<0.54 J	<0.59
Di-n-Butylphthalate	- -	<0.33	NA	NA	<0.33	NA	0.043 JB [0.037 JB]	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.54 J	<0.59
Fluoranthene	1,000	0.020 J	<0.33	0.030 J	<0.33	<0.33	0.71 [1.8]	<0.33	5.9 J	<0.33	11 J [67 J]	0.57 J [0.52 J]	<0.54 J	<0.59
Fluorene	1,000	<0.33	<0.33	0.023 J	<0.33	<0.33	0.022 J [0.049 J]	<0.33	5.8 J	<0.33	8.9 J [62 J]	0.40 J [0.35 J]	0.038 J	0.10 J
Indeno(1,2,3-cd)pyrene	11	<0.33	<0.33	<0.33	<0.33	<0.33	0.25 J [0.30 J]	<0.33	0.78 J	<0.33	<0.33 [<0.33]	<0.33 [<0.33]	<0.54 J	<0.59
Naphthalene	1,000	1.7	<0.33	0.22 JB	0.58 B	0.019 JB	0.087 J [0.069 J]	<0.33	120	<0.33	260 B [1,600 B]	14 B [27 B]	0.64 J	0.46 J
Phenanthrene	1,000	0.020 J	<0.33	0.027 J	<0.33	<0.33	0.27 J [0.85]	<0.33	12 J	<0.33	20 J [100 J]	0.88 J [0.85 J]	<0.54 J	0.043 J
Phenol	1,000	<0.33	NA	NA	<0.33	NA	<0.33 [<0.33]	NA	<0.33	NA	<0.33 [<0.33]	NA	0.36 J	<0.59
Pyrene	1,000	0.019 J	<0.33	0.027 J	<0.33	<0.33	0.67 [1.5]	<0.33	3.8 J	<0.33	7.2 J [43 J]	0.44 J [0.39 J]	<0.54 J	<0.59
Total PAHs	- -	1.8 J	<0.33	0.48 J	0.58	0.019 J	4.4 J [9.2 J]	<0.33	190 J	<0.33	370 J [2,200 J]	19 J [31 J]	0.76 J	0.75 J
Total SVOCs	- -	1.9 J	<0.33	0.48 J	0.66 J	0.019 J	4.5 J [9.4 J]	<0.33	210 J	<0.33	380 J [2,300 J]	19 J [31 J]	1.2 J	3.4 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	MW-4D		MW-5D			MW-6S	MW-7D			MW-8D		MW-18D	MW-19S
Sample Depth(Feet):	Industrial	21 - 23	27 - 29	14 - 16	18 - 20	26 - 28	10 - 12	8 - 10	20 - 22	26 - 28	20 - 22	22 - 24	10 - 14	5 - 6
Date Collected:	Use SCOs	02/23/98	02/23/98	02/18/98	02/18/98	02/18/98	07/20/95	07/18/95	07/18/95	07/18/95	02/17/98	02/17/98	12/20/02	01/07/03
Soil Removed at Sample Location:														
Soil Stabilized at Sample Location :														
Detected Pesticides														
4,4'-DDD	180	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [<0.0033]	NA	<0.0054 J	<0.0059 J
4,4'-DDE	120	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [<0.0033]	NA	<0.0054 J	<0.0059 J
4,4'-DDT	94	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [0.00032 JPB]	NA	<0.0054 J	<0.0059 J
Aldrin	1.4	<0.0017	NA	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017 [<0.0017]	NA	<0.0033 J	<0.0036 J
Alpha-Chlordane	47	<0.0017	NA	NA	<0.0017	NA	0.011	NA	<0.0017	NA	<0.0017 [<0.0017]	NA	<0.0028 J	<0.0031 J
Beta-BHC	14	<0.0017	NA	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017 [<0.0017]	NA	<0.0028 J	<0.0031 J
Delta-BHC	1,000	<0.0017	NA	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	0.00053 JP [<0.0017]	NA	0.00080 J	<0.0031 J
Dieldrin	2.8	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [<0.0033]	NA	<0.0054 J	<0.0059 J
Endosulfan II	920	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	0.0050 JP	NA	0.00098 JP [0.0018 JP]	NA	<0.0054 J	<0.0059 J
Endosulfan Sulfate	920	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [<0.0033]	NA	<0.0054 J	<0.0059 J
Endrin	410	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [<0.0033]	NA	<0.0081 J	<0.0090 J
Endrin Ketone	- -	<0.0033	NA	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033 [<0.0033]	NA	<0.0054 J	<0.0059 J
Gamma-Chlordane	- -	<0.0017	NA	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	0.00049 JPB [0.0020 JP]	NA	<0.0028 J	<0.0031 J
Heptachlor	29	<0.0017	NA	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017 [0.00094 JP]	NA	<0.0028 J	<0.0031 J
Methoxychlor	- -	<0.017	NA	NA	<0.017	NA	<0.017	NA	<0.017	NA	<0.017 [<0.017]	NA	<0.028 J	<0.031 J
Detected Inorganics														
Aluminum	- -	3,200	NA	NA	1,550	NA	4,310 [3,740]	NA	2,180	NA	2,980 [1,350]	NA	8.83	3.10 J
Antimony	- -	1.50 B	NA	NA	1.60 B	NA	<9.20 [<8.40]	NA	<10.0	NA	1.80 B [1.40 B]	NA	<0.0171 J	0.0198
Arsenic	16	<0.740	NA	NA	0.810 B	NA	5.60 [5.60]	NA	1.50 B	NA	1.40 B [1.50 B]	NA	0.00380 B	0.0135
Barium	10,000	67.1 B	NA	NA	67.2	NA	61.8 [49.6 B]	NA	75.3	NA	102 [80.3]	NA	0.0529	0.0745
Beryllium	2,700	<0.370	NA	NA	<0.300	NA	<0.280 [<0.260]	NA	<0.300	NA	<0.420 [<0.300]	NA	<0.00290	0.00340
Cadmium	60	<0.370	NA	NA	<0.300	NA	<0.830 [<0.770]	NA	<0.910	NA	<0.420 [<0.300]	NA	<0.00440 J	0.00510
Calcium	- -	140,000 E	NA	NA	152,000 E	NA	142,000 E [140,000 E]	NA	205,000 E	NA	253,000 E [192,000 E]	NA	<34.4	179
Chromium	- -	5.70	NA	NA	3.10	NA	7.40 [6.40]	NA	3.80	NA	5.10 [3.50]	NA	0.0148	0.00500 B
Cobalt	- -	3.50 B	NA	NA	1.70 B	NA	2.60 B [2.10 B]	NA	2.00 B	NA	2.90 B [1.60 B]	NA	0.0103	0.00210 B
Copper	10,000	13.1	NA	NA	4.20 B	NA	18.6 [23.8]	NA	2.60 B	NA	7.40 B [4.70 B]	NA	0.0209	0.00680 B
Cyanide	10,000	<0.930	<0.780	<0.680	<0.740	<0.790	<1.40 [<1.40]	22.1	<1.50	1.40	<0.790 [<0.760]	<0.790 [<0.760]	<0.000801	0.000157 J
Iron	- -	9,330 E	NA	NA	4,950 E	NA	8,240 E [7,540 E]	NA	6,180 E	NA	8,880 E [4,960 E]	NA	19.5 J	5.60 J
Lead	3,900	6.60	NA	NA	3.90	NA	32.2 E [90.0 N]	NA	3.70 E	NA	5.90 [4.40]	NA	0.00910 B	0.00330 B
Magnesium	- -	7,460 E	NA	NA	5,350 E	NA	7,520 E [7,540 E]	NA	5,930 E	NA	8,180 E [5,800 E]	NA	<4.10	5.02 J
Manganese	10,000	247	NA	NA	217	NA	403 EN [335 EN]	NA	328 EN	NA	420 [330]	NA	0.160	0.220
Mercury	5.7	<0.180	NA	NA	<0.150	NA	0.250 N [0.240 N]	NA	<0.140	NA	<0.200 [<0.150]	NA	<0.00290	<0.00340
Nickel	10,000	11.2 B	NA	NA	5.70 B	NA	8.70 B [9.20 B]	NA	6.00 B	NA	9.70 B [5.40 B]	NA	0.0221	0.00660 B
Potassium	- -	684 BE	NA	NA	430 BE	NA	624 E [435 N]	NA	345 E	NA	909 BE [416 BE]	NA	<1.97	1.03 J
Selenium	6,800	1.30 BN	NA	NA	<0.590	NA	<0.550 [0.410 BNW]	NA	0.480 BN	NA	0.940 BN [<0.600]	NA	<0.0234	0.0270
Silver	6,800	<0.370	NA	NA	<0.300	NA	<0.550 [<0.510]	NA	<0.610	NA	<0.420 [<0.300]	NA	<0.00440	0.00510
Sodium	- -	10,100 E	NA	NA	1,710 E	NA	908 [932]	NA	683	NA	1,560 BE [1,170 BE]	NA	<0.664	1.86
Thallium	- -	<0.740	NA	NA	<0.590	NA	<1.10 [<1.00]	NA	<1.20	NA	<0.400 [<0.600]	NA	<0.0321	0.0372
Vanadium	- -	6.00 B	NA	NA	3.60 B	NA	8.90 BE [9.00 BE]	NA	5.70 BE	NA	4.60 B [2.80 B]	NA	0.0145	0.00430 B
Zinc	10,000	35.1	NA	NA	25.6	NA	44.4 [42.4]	NA	16.0	NA	37.4 [21.9]	NA	0.0583	0.0184 B
Detected Miscellaneous														
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	MW-19D	MW-20D	MW-21S	MW-21D	MW-22S	MW-22D	SB-1			SB-2		SB-3	SB-4			
Sample Depth(Feet):	Industrial	16 - 17	26 - 30	0 - 8	22 - 26	6 - 7	22 - 23	10 - 12	16 - 18	22 - 24	12 - 14	14 - 16	14 - 16	12 - 14	14 - 16	30 - 32	38 - 40
Date Collected:	Use SCOs	01/07/03	12/27/02	12/30/02	12/30/02	01/06/03	01/06/03	02/19/98	02/19/98	02/19/98	07/13/95	07/13/95	02/27/98	07/13/95	07/13/95	07/13/95	07/13/95
Soil Removed at Sample Location:											X	X	X	X	X		
Soil Stabilized at Sample Location :																	
Detected PCBs																	
Aroclor-1242	- -	<0.027	<0.025 [<0.029]	0.039	<0.030	<0.031 J	<0.027	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033	NA	NA
Aroclor-1248	- -	<0.027	<0.025 [<0.029]	<0.025	<0.030	<0.031 J	<0.027	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033	NA	NA
Aroclor-1254	- -	<0.027	<0.025 [<0.029]	0.17	<0.030	<0.031 J	<0.027	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033	NA	NA
Aroclor-1260	- -	<0.027	<0.025 [<0.029]	0.20	<0.030	<0.031 J	<0.027	NA	<0.033	NA	<0.033	NA	<0.033	NA	<0.033	NA	NA
Total PCBs	- -	<0.053	<0.049 [<0.056]	0.41	<0.058	<0.071	<0.053	NA	<0.067	NA	<0.067	NA	<0.067	NA	<0.067	NA	NA
Detected VOCs																	
2-Butanone	1,000	<0.016	<0.015 [0.027]	<0.0080	<0.0070	<0.022 J	0.036 J	NA	<0.010	NA	<0.010	NA	<0.010	NA	<1.2	NA	NA
Acetone	1,000	0.013 J	0.047 [0.057]	0.034	<0.0070	0.022 J	0.13 J	NA	0.021 B	NA	0.038	NA	0.053	NA	53 B	NA	NA
Benzene	89	1.3 J	0.17 J [0.28 J]	<0.0080	<0.0070	<0.011 J	0.0010 J	0.0040 J	0.017	0.79	<0.010	<0.010	<0.010	9.5	30	0.58 J	0.022
Carbon Disulfide	- -	0.014	0.0060 J [0.0060 J]	0.0050 J	<0.0070	<0.011 J	0.014	NA	<0.010	NA	<0.010	NA	<0.010	NA	<1.2	NA	NA
Chlorobenzene	1,000	0.013	0.012 [0.014]	<0.0080	0.0010	<0.011 J	<0.0080	NA	<0.010	NA	<0.010	NA	<0.010	NA	<1.2	NA	NA
Chloroform	700	<0.0080	<0.0080 [<0.0090]	<0.0080	<0.0070	<0.011 J	<0.0080	NA	<0.010	NA	<0.010	NA	<0.010	NA	<1.2	NA	NA
Ethylbenzene	780	0.10	0.0010 J [0.0030 J]	0.0040	<0.0070	<0.011 J	<0.0080	0.0040 J	0.024	<0.010	<0.010	<0.010	<0.010	2.6	11	<1.2	0.0020 J
Methylene Chloride	1,000	<0.0080	0.0050 J [0.0050 J]	<0.0080	0.0050	<0.011 J	<0.0080	NA	<0.010	NA	<0.010	NA	<0.010	NA	4.9	NA	NA
Naphthalene	1,000	<0.51	<0.49 [<0.56]	0.58 J	0.13 J	<0.71 J	<0.53	0.12 J	0.40 J	<0.33	1.0 B	<0.33	0.094 J	710 B	830 B	8.3 B	0.95 B
Styrene	- -	<0.0080	<0.0080 [<0.0090]	<0.0080	<0.0070	<0.011 J	<0.0080	NA	<0.010	NA	<0.010	NA	<0.010	NA	51	NA	NA
Tetrachloroethene	300	<0.0080	<0.0080 [<0.0090]	<0.0080	<0.0070	<0.011 J	<0.0080	NA	<0.010	NA	<0.010	NA	<0.010	NA	<1.2	NA	NA
Toluene	1,000	0.19	0.0030 J [0.0030 J]	0.012	0.0090	0.0020 J	<0.0080	0.0030 J	0.063	<0.010	0.0040 J	<0.010	0.00080 J	11	76	1.6	0.030
Xylenes (total)	1,000	0.26	0.0030 J [0.0050 J]	0.035	0.0050 J	0.0040 J	<0.0080	0.011 J	0.13	<0.010	<0.010	<0.010	<0.010	62	140 E	2.0	0.031
Total BTEX	- -	1.9 J	0.18 J [0.29 J]	0.051	0.014 J	0.0060 J	0.0010 J	0.022 J	0.23	0.79	0.0040 J	<0.010	0.00080 J	85	260	4.2 J	0.085 J
Total VOCs	- -	1.9 J	0.25 J [0.40 J]	0.090 J	0.020 J	0.028 J	0.18 J	0.022 J	0.26	0.79	0.042 J	<0.010	0.054 J	85	370	4.2 J	0.085 J
Detected SVOCs																	
2,4-Dimethylphenol	- -	<0.51	<0.49 [<0.56]	<0.96	<0.59	<0.71 J	<0.53	NA	<0.33	NA	0.023 J	NA	<0.33	NA	17 J	NA	NA
2-Chloronaphthalene	- -	<0.51	<0.49 [<0.56]	<0.96	<0.59	<0.71 J	<0.53	NA	<0.33	NA	<0.33	NA	0.036 J	NA	<0.33	NA	NA
2-Methylnaphthalene	- -	<0.51	<0.49 [<0.56]	0.46 J	<0.59	<0.71 J	<0.53	0.026 J	0.041 J	<0.33	0.14 J	<0.33	0.029 J	120	280	3.1	0.12 J
2-Methylphenol	1,000	<0.51	<0.49 [<0.56]	<0.96	<0.59	<0.71 J	<0.53	NA	<0.33	NA	0.024 J	NA	<0.33	NA	12 J	NA	NA
3,3'-Dichlorobenzidine	- -	<1.0	<0.99 [<1.1]	<1.9	<1.2	<1.4 J	<1.1	NA	<0.33	NA	<0.33	NA	<0.33	NA	<0.33	NA	NA
4-Methylphenol	1,000	<0.51	0.65 J [0.80 J]	<0.96	<0.59	<0.71 J	<0.53	NA	<0.33	NA	0.070 J	NA	<0.33	NA	25 J	NA	NA
4-Nitroaniline	- -	1.0	<0.99 [<1.1]	<1.9	<1.2	<1.4 J	<1.1	NA	<0.80	NA	<0.80	NA	<0.80	NA	<0.80	NA	NA
Acenaphthene	1,000	<0.51	<0.49 [<0.56]	0.24 J	<0.59	<0.71 J	<0.53	<0.33	<0.33	<0.33	0.079 J	<0.33	<0.33	86 J	23 J	0.26 J	<0.33
Acenaphthylene	1,000	<0.51	<0.49 [<0.56]	1.0	<0.59	<0.71 J	<0.53	<0.33	0.020 J	<0.33	0.10 J	<0.33	<0.33	150 J	170	1.8 J	0.059 J
Anthracene	1,000	<0.51	<0.49 [<0.56]	1.2	<0.59	<0.71 J	<0.53	0.056 J	0.069 J	<0.33	0.30 J	<0.33	0.018 J	150 J	120 J	1.4 J	0.057 J
Benzo(a)anthracene	11	<0.51	<0.49 [<0.56]	2.4	<0.59	<0.71 J	<0.53	0.10 J	0.17 J	<0.33	0.46 J	<0.33	0.022 J	120 J	80 J	0.92 J	0.042 J
Benzo(a)pyrene	1.1	<0.51	0.078 J [0.11 J]	2.5	<0.59	<0.71 J	<0.53	0.084 J	0.13 J	<0.33	0.64 J	<0.33	0.27 J	76 J	53 J	0.64 J	0.030 J
Benzo(b)fluoranthene	11	<0.51	<0.49 [<0.56]	2.1	<0.59	<0.71 J	<0.53	0.067 J	0.12 J	<0.33	0.54 J	<0.33	0.022 J	55 J	41 J	0.39 J	0.024 J
Benzo(g,h,i)perylene	1,000	<0.51	<0.49 [<0.56]	1.8	<0.59	<0.71 J	<0.53	0.080 J	0.087 J	<0.33	0.14 J	<0.33	0.076 J	12 J	9.1 J	0.099 J	0.0070 J
Benzo(k)fluoranthene	110	<0.51	<0.49 [<0.56]	2.1	<0.59	<0.71 J	<0.53	0.089 J	0.14 J	<0.33	0.43 J	<0.33	0.038 J	87 J	50 J	0.64 J	0.025 J
bis(2-Ethylhexyl)phthalate	- -	<0.51	<0.49 [<0.56]	0.92 J	<0.59	0.10 J	<0.53	0.62 B	0.62 B	NA	0.40 JB	NA	0.12 JB	NA	0.14 JB	NA	NA
Butylbenzylphthalate	- -	<0.51	<0.49 [<0.56]	<0.96	<0.59	<0.71 J	<0.53	NA	<0.33	NA	<0.33	NA	<0.33	NA	<0.33	NA	NA
Carbazole	- -	<0.51	<0.49 [<0.56]	0.34 J	<0.59	<0.71 J	<0.53	NA	0.031 J	NA	0.23 J	NA	0.084 J	NA	110 J	NA	NA
Chrysene	110	<0.51	<0.49 [<0.56]	2.9	<0.59	<0.71 J	<0.53	0.10 J	0.17 J	<0.33	0.53 J	<0.33	0.036 J	99 J	66 J	0.76 J	0.042 J
Dibenzo(a,h)anthracene	1.1	<0.51	<0.49 [<0.56]	0.72 J	<0.59	<0.71 J	<0.53	<0.33	<0.33	<0.33	0.13 J	<0.33	<0.33	18 J	12 J	0.14 J	0.0070 J
Dibenzofuran	1,000	<0.51	<0.49 [<0.56]	0.19 J	<0.59	<0.71 J	<0.53	NA	0.030 J	NA	0.22 J	NA	0.040 J	NA	100 J	NA	NA
Diethylphthalate	- -	<0.51	<0.49 [<0.56]	<0.96	<0.59	<0.71 J	<0.53	NA	<0.33	NA	0.020 JB	NA	<0.33	NA	<0.33	NA	NA
Di-n-Butylphthalate	- -	<0.51	<0.49 [<0.56]	0.052 J	<0.59	<0.71 J	<0.53	NA	<0.33	NA	0.12 JB	NA	0.016 JB	NA	<0.33	NA	NA
Fluoranthene	1,000	<0.51	<0.49 [<0.56]	4.8	<0.59	<0.71 J	<0.53	0.28 J	0.38 J	<0.33	0.74	<0.33	0.059 J	340	220	2.4	0.10 J
Fluorene	1,000	<0.51	<0.49 [<0.56]	0.32 J	<0.59	<0.71 J	<0.53	0.020 J	0.031 J	<0.33	0.20 J	<0.33	0.018 J	200	130 J	1.3 J	0.048 J
Indeno(1,2,3-cd)pyrene	11	<0.51	<0.49 [<0.56]	1.6	<0.59	<0.71 J	<0.53	0.048 J	0.093 J	<0.33	0.33 J	<0.33	0.13 J	39 J	24 J	0.30 J	0.016 J
Naphthalene	1,000	<0.51	<0.49 [<0.56]	0.58 J	0.13 J	<0.71 J	<0.53	0.12 J	0.40 J	<0.33	1.0 B	<0.33	0.094 J	710 B	830 B	8.3 B	0.95 B
Phenanthrene	1,000	<0.51	<0.49 [<0.56]	3.1	<0.59	<0.71 J	<0.53	0.20 J	0.28 J	<0.33	1.2	<0.33	0.11 J	550	400	4.6	0.19 J
Phenol	1,000	<0.51	<0.49 [<0.56]	<0.96	0.096 J	<0.71 J	<0.53	NA	<0.33	NA	<0.33	NA	<0.33	NA	16 J	NA	NA
Pyrene	1,000	<0.51	<0.49 [<0.56]	5.4	<0.59	<0.71 J	<0.53	0.24 J	0.34 J	<0.33	0.71	<0.33	0.33 J	200	150	1.9 J	0.10 J
Total PAHs	- -	<0.51	0.078 J [0.11 J]	33 J	0.13 J	<0.71	<0.53	1.5 J	2.5 J	<0.33	7.7 J	<0.33	1.3 J	3,000 J	2,700 J	29 J	1.8 J
Total SVOCs	- -	1.0	0.73 J [0.91 J]	35 J	0.23 J	0.10 J	<2.6	2.1 J	3.2 J	<0.33	8.8 J	<0.33	1.6 J	3,000 J	2,900 J	29 J	1.8 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	MW-19D	MW-20D	MW-21S	MW-21D	MW-22S	MW-22D	SB-1			SB-2		SB-3	SB-4			
Sample Depth(Feet):	Industrial	16 - 17	26 - 30	0 - 8	22 - 26	6 - 7	22 - 23	10 - 12	16 - 18	22 - 24	12 - 14	14 - 16	14 - 16	12 - 14	14 - 16	30 - 32	38 - 40
Date Collected:	Use SCOs	01/07/03	12/27/02	12/30/02	12/30/02	01/06/03	01/06/03	02/19/98	02/19/98	02/19/98	07/13/95	07/13/95	02/27/98	07/13/95	07/13/95	07/13/95	07/13/95
Soil Removed at Sample Location:											X	X	X	X	X		
Soil Stabilized at Sample Location :																	
Detected Pesticides																	
4,4'-DDD	180	<0.0053	<0.0049 J [<0.0056 J]	0.023 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
4,4'-DDE	120	<0.0053	<0.0049 J [<0.0056 J]	0.019 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	0.00060 JP	NA	<0.0033	NA	<0.0033	NA	NA
4,4'-DDT	94	<0.0053	<0.0049 J [<0.0056 J]	0.051 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
Aldrin	1.4	<0.0032	<0.0030 J [<0.0034 J]	<0.0029 J	<0.0035 J	<0.0043 J	<0.0032	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	NA
Alpha-Chlordane	47	<0.0027	<0.0025 J [<0.0029 J]	0.0048 J	<0.0030 J	<0.0036 J	<0.0027	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	NA
Beta-BHC	14	<0.0027	<0.0025 J [<0.0029 J]	<0.0025 J	<0.0030 J	<0.0036 J	<0.0027	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	NA
Delta-BHC	1,000	<0.0027	<0.0025 J [<0.0029 J]	<0.0025 J	<0.0030 J	<0.0036 J	<0.0027	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	NA
Dieldrin	2.8	<0.0053	<0.0049 J [<0.0056 J]	0.012 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
Endosulfan II	920	<0.0053	<0.0049 J [<0.0056 J]	<0.0048 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
Endosulfan Sulfate	920	<0.0053	<0.0049 J [<0.0056 J]	<0.0048 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
Endrin	410	<0.0080	<0.0074 J [<0.0085 J]	<0.0073 J	<0.0089 J	<0.011 J	<0.0080	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
Endrin Ketone	- -	<0.0053	<0.0049 J [<0.0056 J]	0.019 J	<0.0058 J	<0.0071 J	<0.0053	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	<0.0033	NA	NA
Gamma-Chlordane	- -	<0.0027	<0.0025 J [<0.0029 J]	0.0067 J	<0.0030 J	<0.0036 J	<0.0027	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	NA
Heptachlor	29	<0.00056 J	<0.0025 J [<0.0029 J]	<0.0025 J	<0.0030 J	<0.0036 J	<0.0027	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	<0.0017	NA	NA
Methoxychlor	- -	<0.027	<0.025 J [<0.029 J]	<0.025 J	<0.030 J	<0.036 J	<0.027	NA	<0.017	NA	<0.017	NA	<0.017	NA	<0.017	NA	NA
Detected Inorganics																	
Aluminum	- -	3.74	2.37 [2.34]	9.65	2.49	2.69 J	3.27	NA	2,660	NA	7,610	NA	1,090	NA	3,840	NA	NA
Antimony	- -	0.0119	<0.0151 J [<0.0153 J]	<0.0142 J	<0.0153 J	0.0221 J	0.0169	NA	1.60 B	NA	<14.4	NA	<0.880	NA	<11.9	NA	NA
Arsenic	16	0.00120 B	<0.0103 [<0.0105]	0.00910 B	<0.0105	0.0151 J	0.0116	NA	<0.640	NA	3.80 B	NA	<0.590	NA	4.80	NA	NA
Barium	10,000	0.0892	0.0801 [0.0816]	0.168	0.0720	0.00770 J	0.0860	NA	67.5	NA	77.6 B	NA	66.5	NA	49.4 B	NA	NA
Beryllium	2,700	0.00200	<0.00260 [<0.00260]	<0.00240	<0.00260	0.00380 J	0.00290	NA	<0.320	NA	<0.440	NA	<0.290	NA	<0.360	NA	NA
Cadmium	60	0.00310	<0.00390 J [<0.00390 J]	0.00710 J	<0.00390 J	0.00570 J	0.00430	NA	<0.320	NA	<1.30	NA	<0.290	NA	<1.10	NA	NA
Calcium	- -	178	178 [177]	76.2	171	296 J	184	NA	157,000 E	NA	221,000 E	NA	165,000 E	NA	232,000 E	NA	NA
Chromium	- -	0.00580	0.00320 B [0.00330 B]	0.0622	0.00350 B	0.00260 JB	0.00510	NA	4.30	NA	12.4	NA	2.00 B	NA	5.90	NA	NA
Cobalt	- -	0.00340	0.00200 B [0.00200 B]	0.00900	0.00230 B	0.00120 JB	0.00300	NA	2.40 B	NA	3.60 B	NA	0.880 B	NA	2.40 B	NA	NA
Copper	10,000	0.00690	0.00420 B [0.00490 B]	0.0889	0.00540 B	0.0174 J	0.00620 B	NA	5.10 B	NA	26.4	NA	1.10 B	NA	22.0	NA	NA
Cyanide	10,000	<0.00156 J	<0.00188 [<0.00208]	<0.000718	<0.000880	<1.04 J	<0.794 J	3.71	0.800	0.780	33.0	9.90	<0.500	63.5	22.4	<0.660	<0.570
Iron	- -	8.91	4.90 J [5.20 J]	20.2 J	5.58 J	1.70 J	7.95	NA	6,880 E	NA	11,600 E	NA	2,660	NA	4,890 E	NA	NA
Lead	3,900	0.00340 B	0.00190 B [0.00220 B]	0.163	0.00280 B	0.00610 JB	0.00330 B	NA	6.00	NA	73.4 E	NA	2.00	NA	15.4 E	NA	NA
Magnesium	- -	7.10	<6.11 [<5.30]	13.2	<5.16	0.00339 J	0.00668	NA	6,540 E	NA	11,200 E	NA	4,410	NA	8,330 E	NA	NA
Manganese	10,000	0.234	0.167 [0.170]	0.355	0.218	0.339 J	0.232	NA	224	NA	690 EN	NA	452	NA	601 EN	NA	NA
Mercury	5.7	<0.00250	<0.00210 [<0.00250]	0.000860 B	0.0000980 B	<0.00300 J	<0.00260	NA	<0.120	NA	0.310 N	NA	<0.120	NA	<0.170	NA	NA
Nickel	10,000	0.00880	0.00520 B [0.00550 B]	0.0373	0.00530 B	0.00310 JB	0.00750	NA	7.80 B	NA	13.1 B	NA	4.00 B	NA	7.50 B	NA	NA
Potassium	- -	1.15	<1.01 [<0.921]	<2.65	<0.893	0.101 JB	1.11	NA	854 BE	NA	1,120 E	NA	398 BE	NA	770 E	NA	NA
Selenium	6,800	0.0163	<0.0206 [<0.0210]	<0.0194	<0.0210	0.0302 J	0.0232	NA	<0.640	NA	1.50 BNW	NA	<0.590	NA	<0.360	NA	NA
Silver	6,800	0.00310	<0.00390 [<0.00390]	0.00370	<0.00390	0.00570 J	0.00430	NA	<0.320	NA	<0.870	NA	<0.290	NA	<0.720	NA	NA
Sodium	- -	6.38	<17.8 [<19.1]	<0.566	<1.75	4.19 J	21.4	NA	1,100 BE	NA	1,480	NA	896 BE	NA	8,730	NA	NA
Thallium	- -	0.0225	<0.0283 [<0.0288]	<0.0266	<0.0288	0.0416 J	0.0318	NA	<0.640	NA	<1.70	NA	<0.590	NA	<1.40	NA	NA
Vanadium	- -	0.00560	0.00340 B [0.00320 B]	0.0205	0.00380 B	0.00460 JB	0.00490 B	NA	4.00 B	NA	16.2 BE	NA	1.60 B	NA	9.70 BE	NA	NA
Zinc	10,000	0.0216	0.0135 B [0.0150 B]	0.223	0.0167 B	0.0378 J	0.0197 B	NA	43.8	NA	77.4	NA	15.9	NA	40.9	NA	NA
Detected Miscellaneous																	
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-5		SB-6		SB-7			SB-8	SB-9						
Sample Depth(Feet):	Industrial	4 - 6	20 - 22	8 - 10	22 - 24	12 - 14	14 - 16	20 - 22	18 - 20	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	07/14/95	07/14/95	07/18/95	07/18/95	02/26/98	02/26/98	02/26/98	02/26/98	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00
Soil Removed at Sample Location:		X		X												
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	<0.033	NA	<0.033	NA	NA	NA	<0.033	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	<0.033	NA	<0.033	NA	NA	NA	<0.033	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	<0.033	NA	<0.033	NA	NA	NA	<0.033	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	<0.033	NA	<0.033	NA	NA	NA	<0.033	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	<0.067	NA	<0.067	NA	NA	NA	<0.067	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	<0.010	NA	<1.2	NA	NA	NA	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	0.021	NA	33 B	NA	NA	NA	0.25 B	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.010	<0.010	<1.2	<1.2	<0.010	0.0080 J	<0.010	0.038	0.00050 J	0.00060 J	0.0010 J	0.0020 J	0.12	0.035	0.048
Carbon Disulfide	- -	<0.010	NA	<1.2	NA	NA	NA	0.015 J	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	<0.010	NA	<1.2	NA	NA	NA	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	<0.010	NA	<1.2	NA	NA	NA	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.010	0.040	<1.2	<1.2	0.35	0.30	0.097 J	0.045	<0.0060	<0.012	0.0010 J	0.00080 J	0.0020 J	0.00050 J	<0.0050
Methylene Chloride	1,000	<0.010	NA	2.0 J	NA	NA	NA	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.023 J	1.0	140 J	13	150	61	33	1.9	0.10 J	0.080 J	0.65 J	1.7	0.055 J	0.016 J	0.037 J
Styrene	- -	<0.010	NA	<1.2	NA	NA	NA	0.076 J	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	<0.010	NA	<1.2	NA	NA	NA	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0090 J	0.079	<1.2	<1.2	0.18	0.20	<0.010	0.082	0.0010 J	0.00070 J	0.0020 J	0.0050 J	0.16	0.031	0.00040 J
Xylenes (total)	1,000	<0.010	0.30	<1.2	0.86 J	7.6	5.9 E	2.0	0.42	0.00060 J	0.0020 J	0.0090 J	0.0090 J	0.041	0.0070	<0.0050
Total BTEX	- -	0.0090 J	0.42	<1.2	0.86 J	8.1	6.4 J	2.1 J	0.59	0.0021 J	0.0033 J	0.013 J	0.017 J	0.32 J	0.074 J	0.048 J
Total VOCs	- -	0.030 J	0.42	35 J	0.86 J	8.1	6.4 J	2.4 J	0.59	0.0021 J	0.0033 J	0.013 J	0.017 J	0.32 J	0.074 J	0.048 J
Detected SVOCs																
2,4-Dimethylphenol	- -	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.33	0.62	100 J	2.1 J	75	29	7.4	0.012 J	0.071 J	0.025 J	0.18 J	0.16 J	0.0040 J	0.0060 J	0.016 J
2-Methylphenol	1,000	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	<0.80	NA	<0.80	NA	NA	NA	<0.80	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.33	0.047 J	40 J	0.088 J	5.4 J	2.6 J	0.17 J	<0.33	<1.6	0.27 J	0.031 J	0.030 J	<0.44	0.0030 J	0.011 J
Acenaphthylene	1,000	0.046 J	0.16 J	110 J	0.46 J	39	16	3.7 J	<0.33	0.27 J	0.15 J	0.036 J	0.047 J	0.0030 J	0.012 J	0.022 J
Anthracene	1,000	0.064 J	0.040 J	190	0.24 J	23	8.8 J	<0.33	<0.33	0.76 J	0.35 J	0.0090 J	0.034 J	0.0040 J	0.024 J	0.065 J
Benzo(a)anthracene	11	0.33 J	0.061 J	190	0.23 J	12 J	4.5 J	<0.33	<0.33	3.6	0.37 J	0.0050 J	0.037 J	0.0070 J	0.038 J	0.078 J
Benzo(a)pyrene	1.1	0.40 J	0.081 J	120 J	0.15 J	8.3 J	3.3 J	<0.33	0.020 J	2.1	0.24 J	0.0040 J	0.026 J	0.0050 J	0.035 J	0.065 J
Benzo(b)fluoranthene	11	0.38 J	0.062 J	100 J	0.11 J	6.3 J	2.6 J	<0.33	<0.33	2.4	0.19 J	0.0030 J	0.020 J	0.0050 J	0.030 J	0.059 J
Benzo(g,h,i)perylene	1,000	0.14 J	0.12 J	27 J	0.047 J	2.4 J	0.89 J	<0.33	0.096 J	1.2 J	0.090 J	0.43 J	0.013 J	0.0020 J	0.020 J	0.037 J
Benzo(k)fluoranthene	110	0.40 J	0.070 J	120 J	0.16 J	9.2 J	3.7 J	<0.33	<0.33	3.1	0.27 J	0.0050 J	0.034 J	0.0060 J	0.033 J	0.068 J
bis(2-Ethylhexyl)phthalate	- -	0.47 JB	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	0.019 J	NA	49 J	NA	NA	NA	2.0 J	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.39 J	0.066 J	170	0.21 J	9.8 J	3.8 J	<0.33	<0.33	3.3	0.34 J	0.0040 J	0.033 J	0.0070 J	0.036 J	0.071 J
Dibenzo(a,h)anthracene	1.1	0.11 J	0.022 J	37 J	<0.33	1.4 J	0.52 J	<0.33	<0.33	0.47 J	0.036 J	0.43 J	<0.55	<0.44	0.0060 J	0.016 J
Dibenzofuran	1,000	<0.33	NA	200	NA	NA	NA	0.42 J	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	0.24 JB	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	0.071 JB	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.51 J	0.098 J	520	0.55 J	33	13	<0.33	<0.33	7.6	0.91 J	0.010 J	0.082 J	0.011 J	0.071 J	0.17 J
Fluorene	1,000	<0.33	0.17 J	270	0.32 J	34	12	0.30 J	<0.33	0.056 J	0.41 J	0.062 J	0.056 J	0.0040 J	0.012 J	0.032 J
Indeno(1,2,3-cd)pyrene	11	0.27 J	0.056 J	73 J	0.079 J	3.7 J	1.5 J	<0.33	<0.33	1.3 J	0.096 J	0.43 J	0.013 J	0.0020 J	0.021 J	0.041 J
Naphthalene	1,000	0.023 J	1.0	140 J	13	150	61	33	1.9	0.10 J	0.080 J	0.65 J	1.7	0.055 J	0.016 J	0.037 J
Phenanthrene	1,000	0.14 J	0.15 J	840	0.86 J	60	24	0.13 J	<0.33	3.9	0.35 J	0.011 J	0.064 J	0.010 J	0.055 J	0.13 J
Phenol	1,000	<0.33	NA	<0.33	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.49 J	0.094 J	340	0.41 J	21 J	8.0 J	0.11 J	0.017 J	5.0	0.71 J	0.0080 J	0.061 J	0.010 J	0.052 J	0.10 J
Total PAHs	- -	3.7 J	2.9 J	3,400 J	19 J	490 J	200 J	45 J	2.1 J	35 J	4.9 J	2.3 J	2.4 J	0.14 J	0.47 J	1.0 J
Total SVOCs	- -	4.5 J	2.9 J	3,600 J	19 J	490 J	200 J	47 J	2.1 J	35 J	4.9 J	2.3 J	2.4 J	0.14 J	0.47 J	1.0 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-5		SB-6		SB-7			SB-8	SB-9						
Sample Depth(Feet):	Industrial	4 - 6	20 - 22	8 - 10	22 - 24	12 - 14	14 - 16	20 - 22	18 - 20	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	07/14/95	07/14/95	07/18/95	07/18/95	02/26/98	02/26/98	02/26/98	02/26/98	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00
Soil Removed at Sample Location:		X		X												
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	<0.0033	NA	<0.0033	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	<0.0033	NA	<0.0033	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	<0.0033	NA	<0.0033	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	<0.0017	NA	<0.0017	NA	NA	NA	<0.0017	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	<0.0017	NA	<0.0017	NA	NA	NA	<0.0017	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	<0.0017	NA	<0.0017	NA	NA	NA	<0.0017	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	<0.0017	NA	<0.0017	NA	NA	NA	<0.0017	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	<0.0033	NA	<0.0033	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	<0.0033	NA	0.060	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	<0.0033	NA	0.084	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	<0.0033	NA	<0.0033	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	<0.0033	NA	<0.0033	NA	NA	NA	<0.0033	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	<0.0017	NA	<0.0017	NA	NA	NA	<0.0017	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	<0.0017	NA	<0.0017	NA	NA	NA	<0.0017	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	<0.017	NA	<0.017	NA	NA	NA	<0.017	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	5,480	NA	4,500	NA	NA	NA	2,860	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	<13.7	NA	<11.2	NA	NA	NA	1.40 B	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	4.70	NA	6.50	NA	NA	NA	1.40 B	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	26.6 B	NA	20.0 B	NA	NA	NA	78.7	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	<0.410	NA	<0.340	NA	NA	NA	<0.330	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	<1.20	NA	<1.00	NA	NA	NA	<0.330	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	260,000 E	NA	264,000 E	NA	NA	NA	204,000 E	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	8.50	NA	9.00	NA	NA	NA	5.30	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	3.40 B	NA	2.40 B	NA	NA	NA	3.00 B	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	52.7	NA	46.7	NA	NA	NA	6.20 B	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	5.20	1.90	17.3	<1.60	<0.890	<0.880	<0.500	1.96	17.9 J	8.56 J	<0.740 J	<1.72 J	<0.610 J	<0.570 J	0.570
Iron	- -	6,890 E	NA	4,420 E	NA	NA	NA	9,030	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	25.9 E	NA	18.1 E	NA	NA	NA	4.80	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	13,600 E	NA	21,900 E	NA	NA	NA	7,190	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	791 EN	NA	709 EN	NA	NA	NA	384	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	0.240 N	NA	0.300 N	NA	NA	NA	<0.150	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	11.0 B	NA	9.10 B	NA	NA	NA	9.30 B	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	161 BE	NA	59.1 BE	NA	NA	NA	705 BE	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	<0.410	NA	1.80 N	NA	NA	NA	<0.660	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	<0.830	NA	<0.680	NA	NA	NA	<0.330	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	1,870	NA	3,100	NA	NA	NA	1,160 BE	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	<1.60	NA	<1.40	NA	NA	NA	<0.660	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	15.4 BE	NA	12.6 BE	NA	NA	NA	3.80 B	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	47.2	NA	52.0	NA	NA	NA	39.6	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-10							SB-11							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00
Soil Removed at Sample Location:		X	X	X					X	X	X	X				
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.0020 J	<0.0050 J	0.00080 J [<0.0050]	<0.0050	0.016	0.010	<0.0050	0.0060 J	<0.0050 J	0.070 J	0.0020 J	0.062	0.34	0.00080 J	<0.0050
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	0.0010 J	<0.0050 J	<0.0050 [<0.0050]	<0.0050	0.00060 J	<0.0050	<0.0050	<0.0050 J	<0.0050 J	0.0070 J	0.0010 J	0.012	0.029	<0.0050	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.80 J	16 J	0.72 [0.71]	3.0	0.028 J	0.012 J	0.0070 J	0.13 J	0.072 J	1.5 J	0.95	2.0	2.1	0.022 J	<0.33
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0050 J	0.00040 J	0.0020 J [0.00080 J]	0.0030 J	0.015	0.00030 J	<0.0050	0.0060 J	0.00030 J	0.051 J	0.0040 J	0.081	0.32	0.0010 J	0.00020 J
Xylenes (total)	1,000	0.025	0.0060 J	0.0020 J [0.0040 J]	0.014 J	0.0050 J	<0.0050	<0.0050	0.0010 J	0.0010 J	0.089 J	0.017	0.16	0.26	0.0040 J	<0.0050
Total BTEX	- -	0.033 J	0.0064 J	0.0048 J [0.0048 J]	0.017 J	0.037 J	0.010 J	<0.0050	0.013 J	0.0013 J	0.22 J	0.024 J	0.32	0.95	0.0058 J	0.00020 J
Total VOCs	- -	0.033 J	0.0064 J	0.0048 J [0.0048 J]	0.017 J	0.037 J	0.010 J	<0.0050	0.013 J	0.0013 J	0.22 J	0.024 J	0.32	0.95	0.0058 J	0.00020 J
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	1.1 J	25 J	0.36 J [0.39 J]	0.61	<0.33	<0.33	<0.33	0.20 J	0.022 J	0.64 J	0.51	0.85	0.045 J	<0.33	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.24 J	3.8 J	0.046 J [0.030 J]	0.012 J	<0.33	<0.33	<0.33	0.034 J	0.016 J	0.069 J	0.074 J	0.077 J	<0.33	<0.33	<0.33
Acenaphthylene	1,000	4.7	9.9 J	0.20 J [0.19 J]	0.22 J	<0.33	<0.33	<0.33	0.10 J	0.061 J	0.32 J	0.24 J	0.40 J	0.0080 J	<0.33	<0.33
Anthracene	1,000	4.5	34 J	0.062 J [0.036 J]	<0.33	<0.33	<0.33	<0.33	0.14 J	0.090 J	0.18 J	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	11	24	2.0 J	0.018 J [0.019 J]	0.0060 J	<0.33	<0.33	<0.33	0.39	0.36 J	0.20 J	<0.33	0.0090 J	<0.33	<0.33	<0.33
Benzo(a)pyrene	1.1	23	14 J	0.017 J [0.021 J]	<0.33	<0.33	<0.33	<0.33	0.37 J	0.37 J	0.21 J	<0.33	0.010 J	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	11	22	12 J	0.012 J [0.014 J]	<0.33	<0.33	<0.33	<0.33	0.30 J	0.30 J	0.14 J	<0.33	0.0090 J	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	1,000	18	7.4 J	<0.33 [0.012 J]	<0.33	<0.33	<0.33	<0.33	0.31 J	0.21 J	0.12 J	<0.33 J	<0.33 J	<0.33 J	<0.33 J	<0.33 J
Benzo(k)fluoranthene	110	19	14 J	0.019 J [0.022 J]	<0.33	<0.33	<0.33	<0.33	0.36 J	0.37 J	0.17 J	<0.33	0.010 J	<0.33	<0.33	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	23	16 J	0.016 J [0.016 J]	0.0050 J	<0.33	<0.33	<0.33	0.48	0.42 J	0.24 J	<0.33	0.0090 J	<0.33	<0.33	<0.33
Dibenzo(a,h)anthracene	1.1	7.8	2.9 J	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33	0.11 J	<0.33 J	<0.33 J	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	25	45 J	0.046 J [0.044 J]	0.016 J	<0.33	<0.33	<0.33	0.63	0.44 J	0.42 J	0.0050 J	0.019 J	<0.33	<0.33	<0.33
Fluorene	1,000	0.74 J	31 J	0.30 J [0.19 J]	0.010 J	<0.33	<0.33	<0.33	0.030 J	0.019 J	0.28 J	0.34 J	0.18 J	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	11	19	8.8 J	0.0090 J [0.011 J]	<0.33	<0.33	<0.33	<0.33	0.27 J	0.20 J	0.11 J	<0.33 J	<0.33 J	<0.33 J	<0.33 J	<0.33 J
Naphthalene	1,000	0.80 J	16 J	0.72 [0.71]	3.0	0.028 J	0.012 J	0.0070 J	0.13 J	0.072 J	1.5 J	0.95	2.0	2.1	0.022 J	<0.33
Phenanthrene	1,000	8.4	81 J	0.32 J [0.19 J]	0.018 J	0.0090 J	<0.33	<0.33	0.46 J	0.12 J	0.55 J	0.018 J	0.029 J	<0.33	<0.33	<0.33
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	25	26 J	0.030 J [0.026 J]	0.0090 J	<0.33	<0.33	<0.33	0.58	1.5	1.0	<0.33	0.018 J	<0.33	<0.33	<0.33
Total PAHs	- -	230 J	350 J	2.2 J [1.9 J]	3.9 J	0.037 J	0.012 J	0.0070 J	4.9 J	4.6 J	6.2 J	2.1 J	3.6 J	2.2 J	0.022 J	<0.33
Total SVOCs	- -	230 J	350 J	2.2 J [1.9 J]	3.9 J	0.037 J	0.012 J	0.0070 J	4.9 J	4.6 J	6.2 J	2.1 J	3.6 J	2.2 J	0.022 J	<0.33

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-10							SB-11							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00
Soil Removed at Sample Location:		X	X	X					X	X	X	X				
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	1.45	30.0 J	2.47 [2.03]	2.36	0.690	0.590	0.590	0.610	56.9 J	151 J	0.740	0.680	1.36	0.740	0.620
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-12							SB-13					
Sample Depth(Feet):	Industrial	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	48 - 50
Date Collected:	Use SCOs	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00
Soil Removed at Sample Location:		X	X	X					X	X	X			
Soil Stabilized at Sample Location :														
Detected PCBs														
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs														
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0050 J	0.0010 J	0.0020 J	0.042	0.17	0.0040 J	<0.0050	0.0014 J	<0.0056	0.014	0.0042 J	0.046	<0.0066
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0050 J	0.00060 J	<0.0070	0.0080	0.0010 J	<0.0050	<0.0050	<0.0060	<0.0056	0.0026 J	<0.0086	0.0047 J	<0.0066
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.013 J	1.8 J	0.083 J	2.0	0.14 J	<0.33	<0.33	0.94 J	0.61 J	1.7	0.24 J	0.089 J	<0.43
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	<0.0050 J	0.0030 J	0.0020 J	0.046	0.073	<0.0050	0.00020 J	0.0023 J	0.0016 J	0.015	0.0083 J	0.044	<0.0066
Xylenes (total)	1,000	<0.0050 J	0.012 J	0.0020 J	0.090	0.022	<0.0050	<0.0050	<0.0060	0.0013 J	0.043	0.0068 J	0.034	<0.0066
Total BTEX	- -	<0.0050	0.017 J	0.0060 J	0.19	0.27 J	0.0040 J	0.00020 J	0.0037 J	0.0029 J	0.075 J	0.019 J	0.13 J	<0.0066
Total VOCs	- -	<0.0050	0.017 J	0.0060 J	0.19	0.27 J	0.0040 J	0.00020 J	0.0037 J	0.0029 J	0.075 J	0.019 J	0.13 J	<0.0066
Detected SVOCs														
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.018 J	0.96 J	0.041 J	<0.54	<0.53	<0.33	<0.33	0.46 J	0.40 J	0.23 J	0.036 J	<0.51	<0.43
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.33 J	0.10 J	<0.47	<0.54	<0.53	<0.33	<0.33	0.63 J	0.16 J	<0.63	<0.47	<0.51	<0.43
Acenaphthylene	1,000	<0.33 J	0.47 J	0.012 J	<0.54	<0.53	<0.33	<0.33	<1.2	0.11 J	0.042 J	<0.47	<0.51	<0.43
Anthracene	1,000	<0.33 J	0.22 J	<0.47	<0.54	<0.53	<0.33	<0.33	1.6	0.57 J	0.062 J	<0.47	<0.51	<0.43
Benzo(a)anthracene	11	0.014 J	0.22 J	<0.47	<0.54	<0.53	<0.33	<0.33	3.7	2.0	0.15 J	0.025 J	<0.51	<0.43
Benzo(a)pyrene	1.1	<0.33 J	0.18 J	<0.47	<0.54	<0.53	<0.33	<0.33	3.3	1.9	0.12 J	0.022 J	<0.51	<0.43
Benzo(b)fluoranthene	11	0.015 J	0.12 J	<0.47	<0.54	<0.53	<0.33	<0.33	3.5	2.0	0.086 J	<0.47	<0.51	<0.43
Benzo(g,h,i)perylene	1,000	<0.33 J	0.10 J	0.47 J	<0.54	<0.53	<0.33 J	<0.33 J	2.0	1.0	<0.63	<0.47	<0.51	<0.43
Benzo(k)fluoranthene	110	0.016 J	0.22 J	<0.47	<0.54	<0.53	<0.33	<0.33	3.1	1.8	0.13 J	<0.47	<0.51	<0.43
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.014 J	0.20 J	<0.47	<0.54	<0.53	<0.33	<0.33	3.7	2.1	0.16 J	0.022 J	<0.51	<0.43
Dibenzo(a,h)anthracene	1.1	<0.33 J	0.87 J	<0.47	<0.54	<0.53	<0.33	<0.33	0.78 J	0.37 J	<0.63	<0.47	<0.51	<0.43
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.026 J	0.64 J	<0.47	<0.54	<0.53	<0.33	<0.33	7.0	3.8	0.28 J	0.039 J	<0.51	<0.43
Fluorene	1,000	<0.33 J	0.34 J	0.024 J	<0.54	<0.53	<0.33	<0.33	0.74 J	0.24 J	<0.63	<0.47	<0.51	<0.43
Indeno(1,2,3-cd)pyrene	11	<0.33 J	0.11 J	<0.47	<0.54	<0.53	<0.33 J	<0.33 J	1.8	1.0	0.063 J	<0.47	<0.51	<0.43
Naphthalene	1,000	0.013 J	1.8 J	0.083 J	2.0	0.14 J	<0.33	<0.33	0.94 J	0.61 J	1.7	0.24 J	0.089 J	<0.43
Phenanthrene	1,000	0.028 J	1.2 J	<0.47	<0.54	0.0090 J	<0.33	<0.33	5.9	2.4	0.16 J	0.081 J	<0.51	<0.43
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.017 J	0.44 J	<0.47	<0.54	<0.53	<0.33	<0.33	6.1	2.9	0.30 J	0.032 J	<0.51	<0.43
Total PAHs	- -	0.16 J	8.2 J	0.63 J	2.0	0.15 J	<0.33	<0.33	45 J	23 J	3.5 J	0.50 J	0.089 J	<0.43
Total SVOCs	- -	0.16 J	8.2 J	0.63 J	2.0	0.15 J	<0.33	<0.33	45 J	23 J	3.5 J	0.50 J	0.089 J	<0.43

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-12							SB-13					
Sample Depth(Feet):	Industrial	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	48 - 50
Date Collected:	Use SCOs	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	02/28/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00
Soil Removed at Sample Location:		X	X	X					X	X	X			
Soil Stabilized at Sample Location :														
Detected Pesticides														
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics														
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	1.91	49.2	<0.690	<1.64 J	<1.59 J	0.720	0.630	2.50	8.60	3.00	1.60	<0.770	<0.660
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous														
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-14							SB-15							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00
Soil Removed at Sample Location:									X	X	X	X				
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.0080 [0.0050 J]	0.0090 J	0.0040 J	0.059	0.018	0.042	0.00040 J	0.011	<12 J	0.0050 J	0.0010 J	0.35	0.062	0.081	0.0050 J
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	0.0020 J [0.0010 J]	0.0010 J	0.00070 J	0.028 J	0.033	0.0010 J	<0.0060	<0.0060	<12 J	0.029 J	0.030	0.052	0.0050 J	0.0030 J	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	160 J [170 J]	0.39 J	0.66 J	2.1	9.1	0.029 J	0.0060 J	0.015 J	14 J [2.7 J]	12 J	10	12	0.85	0.17 J	0.011 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.018 J [0.0080 J]	0.0060 J	0.0050 J	0.092	0.12	0.0060 J	0.0010 J	0.0010 J	<12 J	0.016 J	0.0040 J	1.3	0.068	0.014	0.00030 J
Xylenes (total)	1,000	0.040 J [0.024 J]	0.015 J	0.011	0.11	0.25	0.013	0.0030 J	<0.0060	0.47 J	0.26 J	0.083	0.72	0.052	0.020	<0.0050
Total BTEX	- -	0.068 J [0.038 J]	0.031 J	0.021 J	0.29 J	0.42	0.062 J	0.0044 J	0.012 J	0.47 J	0.31 J	0.12 J	2.4	0.19 J	0.12 J	0.0053 J
Total VOCs	- -	0.068 J [0.038 J]	0.031 J	0.021 J	0.29 J	0.42	0.062 J	0.0044 J	0.012 J	0.47 J	0.31 J	0.12 J	2.4	0.19 J	0.12 J	0.0053 J
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	78 J [92 J]	0.50 J	0.67 J	2.4	0.019 J	0.0040 J	0.0020 J	0.0030 J	15 J [2.3 J]	6.9 J	5.8	5.8	0.017 J	0.013 J	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	24 J [34 J]	0.25 J	0.14 J	0.074 J	<1.6	<0.42	<0.42	<0.42	23 J [9.1 J]	0.57 J	3.9	0.55 J	<0.33	<0.33	<0.33
Acenaphthylene	1,000	200 [260 J]	1.1 J	0.90	0.81	0.017 J	0.0040 J	0.0020 J	0.0090 J	51 J [61 J]	1.9 J	1.1 J	4.5	0.0070 J	<0.33	<0.33
Anthracene	1,000	310 [380]	1.7 J	1.4	0.10 J	0.016 J	0.0070 J	0.0030 J	0.0060 J	140 J [74 J]	1.2 J	1.2 J	0.66 J	0.014 J	0.0060 J	<0.33
Benzo(a)anthracene	11	570 [660]	1.6 J	1.6	0.12 J	0.022 J	0.010 J	0.0060 J	0.012 J	95 [90 J]	0.63 J	0.39 J	0.10 J	<0.33	<0.33	<0.33
Benzo(a)pyrene	1.1	440 [460]	1.1 J	1.1	0.090 J	0.015 J	0.0070 J	0.0030 J	0.018 J	70 [80 J]	0.55 J	0.27 J	0.065 J	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	11	300 [370]	0.78 J	0.95	0.072 J	0.011 J	0.0060 J	0.0030 J	0.021 J	61 J [58 J]	0.39 J	0.21 J	0.054 J	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	1,000	260 [270 J]	0.46 J	0.43 J	0.032 J	<1.6	0.0020 J	<0.42	0.014 J	18 J [38 J]	0.22 J	0.095 J	0.020 J	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	110	540 [520]	1.4 J	1.1	0.10 J	0.021 J	0.0080 J	0.0040 J	0.023 J	83 [90 J]	0.54 J	0.28 J	0.060 J	<0.33	<0.33	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	480 [560]	1.4 J	1.4	0.10 J	0.018 J	0.0090 J	0.0050 J	0.015 J	75 [75 J]	0.55 J	0.31 J	0.072 J	<0.33	<0.33	<0.33
Dibenzo(a,h)anthracene	1.1	83 J [92 J]	0.16 J	0.18 J	0.013 J	<1.6	<0.42	<0.42	0.0070 J	9.0 J [15 J]	0.066 J	0.039 J	<2.1	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	1,200 [1,400]	3.8 J	4.1	0.33 J	0.052 J	0.021 J	0.011 J	0.015 J	210 [190 J]	1.4 J	1.2 J	0.29 J	0.016 J	0.012 J	<0.33
Fluorene	1,000	140 J [180 J]	1.1 J	0.91	0.089 J	0.011 J	0.0050 J	0.0030 J	<0.42	160 [71 J]	2.8 J	3.0	2.6	0.016 J	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	11	260 [290 J]	0.50 J	0.49 J	0.034 J	0.0060 J	0.0030 J	<0.42	0.013 J	22 J [40 J]	0.20 J	0.11 J	0.025 J	<0.33	<0.33	<0.33
Naphthalene	1,000	160 J [170 J]	0.39 J	0.66 J	2.1	9.1	0.029 J	0.0060 J	0.015 J	14 J [2.7 J]	12 J	10	12	0.85	0.17 J	0.011 J
Phenanthrene	1,000	740 J [930 J]	4.0 J	3.3	0.19 J	0.044 J	0.019 J	0.010 J	0.0080 J	360 J [140 J]	4.1 J	5.0	2.3	0.033 J	0.019 J	0.0080 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	980 J [1,400 J]	3.0 J	2.8	0.22 J	0.037 J	0.017 J	0.0090 J	0.016 J	180 J [140 J]	1.2 J	0.67 J	0.16 J	0.011 J	0.0080 J	<0.33
Total PAHs	- -	6,800 J [8,100 J]	23 J	22 J	6.9 J	9.4 J	0.15 J	0.067 J	0.20 J	1,600 J [1,200 J]	35 J	34 J	29 J	0.96 J	0.23 J	0.019 J
Total SVOCs	- -	6,800 J [8,100 J]	23 J	22 J	6.9 J	9.4 J	0.15 J	0.067 J	0.20 J	1,600 J [1,200 J]	35 J	34 J	29 J	0.96 J	0.23 J	0.019 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-14							SB-15							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00
Soil Removed at Sample Location:									X	X	X	X				
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	21.8 J [18.7 J]	2.87 J	<0.670 J	<1.57 J	<2.91 J	<0.650 J	<0.620 J	<0.640	30.4 J [12.2 J]	3.23 J	<0.690	1.19	0.600	0.610	0.610
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-16						SB-17						
Sample Depth(Feet):	Industrial	6 - 8	10 - 12	14 - 16	20 - 22	38 - 40	48 - 50	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/03/00	03/03/00	03/03/00	03/03/00	03/03/00	03/03/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00
Soil Removed at Sample Location:		X	X	X				X	X	X				
Soil Stabilized at Sample Location :														
Detected PCBs														
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs														
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.012 J	0.00090 J	0.00060 J	0.074	0.12	0.0020 J	0.013 J	0.0010 J	0.0040 J	0.032	0.15	0.034	0.00080 J
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.012 J	<0.011 J	0.0010 J	0.019	<0.0060	<0.0060	0.013 J	<0.0070	0.00060 J	0.0060 J	<0.0060	<0.0060	<0.0060
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	9.0 J	2.6 J	2.7 J	3.9	0.011 J	0.11 J	0.024 J	0.83	0.17 J	0.68	<0.42	<0.39	<0.37
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.00040 J	0.00040 J	0.0040 J	0.15	0.0020 J	<0.0060	0.0010 J	0.0030 J	0.0060 J	0.027	0.047	0.0010 J	0.00050 J
Xylenes (total)	1,000	<0.012 J	<0.011 J	0.024	0.26	0.00090 J	<0.0060	0.013 J	0.0040 J	0.011	0.093	0.00070 J	<0.0060	<0.0060
Total BTEX	- -	0.00040 J	0.0013 J	0.030 J	0.50	0.12 J	0.0020 J	0.040 J	0.0080 J	0.022 J	0.16 J	0.20 J	0.035 J	0.0013 J
Total VOCs	- -	0.00040 J	0.0013 J	0.030 J	0.50	0.12 J	0.0020 J	0.040 J	0.0080 J	0.022 J	0.16 J	0.20 J	0.035 J	0.0013 J
Detected SVOCs														
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	8.8 J	2.1 J	1.2 J	0.92	<0.40	0.011 J	0.82 J	0.31 J	0.059 J	0.052 J	<0.42	<0.39	<0.37
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	18 J	8.1 J	0.20 J	0.11 J	<0.40	0.0030 J	0.82 J	0.080 J	0.0080 J	<0.50	<0.42	<0.39	<0.37
Acenaphthylene	1,000	93 J	30 J	0.91 J	0.61	0.0020 J	0.020 J	0.82 J	0.061 J	0.023 J	0.018 J	<0.42	<0.39	<0.37
Anthracene	1,000	210 J	75	0.48 J	0.32 J	0.0020 J	0.029 J	0.82 J	0.091 J	<0.42	0.018 J	<0.42	<0.39	<0.37
Benzo(a)anthracene	11	170 J	71	0.70 J	0.40 J	0.0030 J	0.089 J	0.82 J	0.074 J	<0.42	0.028 J	<0.42	<0.39	<0.37
Benzo(a)pyrene	1.1	120 J	50	0.53 J	0.30 J	0.0030 J	0.070 J	0.82 J	0.14 J	<0.42	0.020 J	<0.42	<0.39	<0.37
Benzo(b)fluoranthene	11	100 J	40	0.52 J	0.20 J	0.0060 J	0.070 J	0.82 J	0.086 J	<0.42	0.018 J	<0.42	<0.39	<0.37
Benzo(g,h,i)perylene	1,000	41 J	18 J	0.17 J	0.048 J	<0.40	0.022 J	0.82 J	0.12 J	<0.42	<0.50	<0.42	<0.39	<0.37
Benzo(k)fluoranthene	110	120 J	57	0.52 J	0.38 J	0.0030 J	0.073 J	0.82 J	0.12 J	<0.42	0.023 J	<0.42	<0.39	<0.37
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	140 J	57	0.57 J	0.39 J	0.0050 J	0.080 J	0.82 J	0.10 J	<0.42	0.027 J	<0.42	<0.39	<0.37
Dibenzo(a,h)anthracene	1.1	17 J	6.9 J	0.082 J	0.025 J	<0.40	0.011 J	0.82 J	<0.63	<0.42	<0.50	<0.42	<0.39	<0.37
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	460 J	160	1.2 J	0.74	0.0060 J	0.14 J	0.024 J	0.30 J	<0.42	0.063 J	<0.42	<0.39	<0.37
Fluorene	1,000	120 J	60	1.1 J	0.53	<0.40	0.016 J	0.82 J	0.085 J	0.022 J	0.016 J	<0.42	<0.39	<0.37
Indeno(1,2,3-cd)pyrene	11	480 J	20 J	0.21 J	0.068 J	<0.40	0.026 J	0.82 J	0.089 J	<0.42	<0.50	<0.42	<0.39	<0.37
Naphthalene	1,000	9.0 J	2.6 J	2.7 J	3.9	0.011 J	0.11 J	0.024 J	0.83	0.17 J	0.68	<0.42	<0.39	<0.37
Phenanthrene	1,000	490 J	190	1.3 J	0.69	0.0080 J	0.070 J	0.026 J	0.74	<0.42	0.090 J	<0.42	<0.39	<0.37
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	270 J	100	1.2 J	0.59	0.0070 J	0.14 J	0.020 J	0.15 J	<0.42	0.048 J	<0.42	<0.39	<0.37
Total PAHs	- -	2,900 J	950 J	14 J	10 J	0.056 J	0.98 J	11 J	3.4 J	0.28 J	1.1 J	<0.42	<0.39	<0.37
Total SVOCs	- -	2,900 J	950 J	14 J	10 J	0.056 J	0.98 J	11 J	3.4 J	0.28 J	1.1 J	<0.42	<0.39	<0.37

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-16						SB-17						
Sample Depth(Feet):	Industrial	6 - 8	10 - 12	14 - 16	20 - 22	38 - 40	48 - 50	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/03/00	03/03/00	03/03/00	03/03/00	03/03/00	03/03/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00
Soil Removed at Sample Location:		X	X	X				X	X	X				
Soil Stabilized at Sample Location :														
Detected Pesticides														
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics														
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	175 J	74.6 J	6.67	0.730	<0.610	<0.590	14.9 J	2.66 J	<0.660 J	<0.810 J	<0.600 J	<0.620 J	<0.590 J
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous														
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-18							SB-19						
Sample Depth(Feet):	Industrial	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00
Soil Removed at Sample Location:		X	X	X											
Soil Stabilized at Sample Location :															
Detected PCBs															
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs															
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.012	0.0037 J	<0.0068	0.017	0.26	0.033	<0.0057	<0.0077	<0.013	0.0019 J	0.036	0.17	<0.0060	<0.0060
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.012	0.0052 J	<0.0068	0.0037 J	<0.0068	<0.0058	<0.0057	<0.0077	<0.013	<0.0075	0.0099	<0.0076	<0.0060	<0.0060
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	<0.75	0.40 J	0.090 J	0.56 J	<0.44	<0.38	<0.38	0.084 J	<0.72	<0.45	0.15 J	<0.51	<0.41	0.045 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0037 J	0.013	0.0032 J	0.029	0.052	<0.0058	<0.0057	<0.0077	<0.013	0.0024 J	0.048	0.051	<0.0060	<0.0060
Xylenes (total)	1,000	0.0065 J	0.039	0.0028 J	0.052	<0.0068	<0.0058	<0.0057	<0.0077	<0.013	0.0065 J	0.12	<0.0076	<0.0060	<0.0060
Total BTEX	- -	0.010 J	0.061 J	0.0060 J	0.10 J	0.31	0.033	<0.0057	<0.0077	<0.013	0.011 J	0.21	0.22	<0.0060	<0.0060
Total VOCs	- -	0.010 J	0.061 J	0.0060 J	0.10 J	0.31	0.033	<0.0057	<0.0077	<0.013	0.011 J	0.21	0.22	<0.0060	<0.0060
Detected SVOCs															
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.041 J	0.60	0.034 J	<0.56	<0.44	<0.38	<0.38	0.12 J	<0.72	<0.45	<0.48	<0.51	<0.41	0.024 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.75	0.014 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.025 J	<0.72	<0.45	<0.48	<0.51	<0.41	<0.38
Acenaphthylene	1,000	<0.75	0.020 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.079 J	<0.72	<0.45	<0.48	<0.51	<0.41	<0.38
Anthracene	1,000	<0.75	0.091 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.097 J	<0.72	<0.45	<0.48	<0.51	<0.41	0.051 J
Benzo(a)anthracene	11	<0.75	0.32 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.83	<0.72	<0.45	<0.48	<0.51	<0.41	0.24 J
Benzo(a)pyrene	1.1	<0.75	0.24 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.67	<0.72	<0.45	0.035 J	<0.51	<0.41	0.13 J
Benzo(b)fluoranthene	11	<0.75	0.16 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.43 J	<0.72	<0.45	<0.48	<0.51	<0.41	0.16 J
Benzo(g,h,i)perylene	1,000	<0.75	<0.58	<0.45	<0.56	<0.44	<0.38	<0.38	0.33 J	<0.72	<0.45	<0.48	<0.51	<0.41	<0.38
Benzo(k)fluoranthene	110	<0.75	0.24 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.51 J	<0.72	<0.45	<0.48	<0.51	<0.41	0.14 J
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	<0.75	0.31 J	<0.45	<0.56	<0.44	<0.38	<0.38	1.0	<0.72	<0.45	<0.48	<0.51	<0.41	0.22 J
Dibenzo(a,h)anthracene	1.1	<0.75	<0.58	<0.45	<0.56	<0.44	<0.38	<0.38	0.098 J	<0.72	<0.45	<0.48	<0.51	<0.41	<0.38
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	<0.75	0.44 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.83	<0.72	<0.45	<0.48	<0.51	<0.41	0.50
Fluorene	1,000	<0.75	0.014 J	<0.45	<0.56	<0.44	<0.38	<0.38	<0.55	<0.72	0.039 J	<0.48	<0.51	<0.41	<0.38
Indeno(1,2,3-cd)pyrene	11	<0.75	0.11 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.28 J	<0.72	<0.45	<0.48	<0.51	<0.41	0.034 J
Naphthalene	1,000	<0.75	0.40 J	0.090 J	0.56 J	<0.44	<0.38	<0.38	0.084 J	<0.72	<0.45	0.15 J	<0.51	<0.41	0.045 J
Phenanthrene	1,000	0.043 J	0.32 J	<0.45	<0.56	<0.44	<0.38	<0.38	0.75	<0.72	0.026 J	<0.48	<0.51	<0.41	0.16 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	<0.75	0.49 J	<0.45	<0.56	<0.44	<0.38	<0.38	1.3	<0.72	<0.45	<0.48	<0.51	<0.41	0.35 J
Total PAHs	- -	0.084 J	3.8 J	0.12 J	0.56 J	<0.44	<0.38	<0.38	7.4 J	<0.72	0.065 J	0.19 J	<0.51	<0.41	2.1 J
Total SVOCs	- -	0.084 J	3.8 J	0.12 J	0.56 J	<0.44	<0.38	<0.38	7.4 J	<0.72	0.065 J	0.19 J	<0.51	<0.41	2.1 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-18							SB-19						
Sample Depth(Feet):	Industrial	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00	03/16/00
Soil Removed at Sample Location:		X	X	X											
Soil Stabilized at Sample Location :															
Detected Pesticides															
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics															
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	69.5	42.1	1.60	<0.810	<0.570	<0.530	<0.570	1.50	91.6	<0.560	<0.660	<0.760	<0.480	<0.560
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous															
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-20								SB-21							
Sample Depth(Feet):	Industrial	2 - 4	8 - 10	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00
Soil Removed at Sample Location:										X	X	X	X				
Soil Stabilized at Sample Location :																	
Detected PCBs																	
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																	
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.0060 J	0.0030 J	0.013	0.0020 J	0.018 J	0.070	0.052	0.0010 J	0.0010 J	0.0010 J	0.0010 J	<1.8 [<1.9]	0.0020 J	0.053	0.14	<0.0070
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	0.0060 J	0.0060 J	0.076	0.018	0.30	0.034	0.0070	<0.0060	<0.0080	<0.017	0.0050 J	<1.8 [<1.9]	0.0060 J	0.022 J	0.023 J	<0.0070
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	<0.22	0.42 JB	0.85 B	0.65 B	2.5 B	8.6 B	2.5 B	0.31 JB	0.25 J	66 J	0.31 J	7.6 J [14 J]	8.5	8.2	2.5	0.042 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0030 J	0.0050 J	0.078	0.048	0.45	0.23	0.0080	0.00070 J	0.0050 J	0.0020 J	0.0020 J	0.27 J [0.23 J]	0.0080 J	0.12	0.14	<0.0070
Xylenes (total)	1,000	0.0060 J	0.033	0.44	0.13	1.9	0.37	0.027	0.0010 J	0.0020 J	0.0040 J	0.020	0.52 J [0.78 J]	0.075	0.28	0.20	<0.0070
Total BTEX	- -	0.021 J	0.047 J	0.61	0.20 J	2.7 J	0.70	0.094	0.0027 J	0.0080 J	0.0070 J	0.028 J	0.79 J [1.0 J]	0.091 J	0.48 J	0.50 J	<0.0070
Total VOCs	- -	0.021 J	0.047 J	0.61	0.20 J	2.7 J	0.70	0.094	0.0027 J	0.0080 J	0.0070 J	0.028 J	0.79 J [1.0 J]	0.091 J	0.48 J	0.50 J	<0.0070
Detected SVOCs																	
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.22 J	0.015 J	0.17 J	1.1	2.2	<1.6	0.060 J	0.013 J	0.33 J	74 J	0.16 J	5.4 [5.6]	5.9	0.044 J	0.25 J	0.018 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.23 J	0.61	0.37 J	0.070 J	0.16 J	<1.6	<0.39	<0.38	2.0	51 J	2.4 J	0.80 J [0.45 J]	0.85 J	<1.6	0.025 J	<0.38
Acenaphthylene	1,000	3.8 J	0.22 J	0.20 J	0.26 J	0.91	<1.6	0.015 J	<0.38	0.63 J	290	7.9	4.6 J [3.0 J]	5.0	<1.6	0.14 J	0.0090 J
Anthracene	1,000	11	0.25 J	0.13 J	0.029 J	0.029 J	<1.6	<0.39	<0.38	2.9	480	10	3.7 J [1.5 J]	6.3	<1.6	0.16 J	0.013 J
Benzo(a)anthracene	11	29	0.90	0.46 J	0.022 J	<0.55	<1.6	<0.39	<0.38	3.8	470	14	2.3 J [0.76 J]	4.3	<1.6	0.13 J	0.010 J
Benzo(a)pyrene	1.1	20	0.79 J	0.65	0.023 J	<0.55	<1.6	<0.39	<0.38	3.2 J	300	9.2	1.5 J [0.50 J]	2.7	<1.6	0.083 J	<0.38
Benzo(b)fluoranthene	11	24	0.72 J	0.53 J	0.020 J	<0.55	<1.6	0.011 J	<0.38	3.9 J	230	7.7	1.1 J [0.34 J]	2.3 J	<1.6	0.055 J	0.0070 J
Benzo(g,h,i)perylene	1,000	1.7 J	0.080 J	0.084 J	<0.55	<0.55	<1.6 J	<0.39	<0.38	0.69 J	23 J	0.87 J	0.39 J [0.29 J]	0.48 J	<1.6 J	0.036 J	<0.38
Benzo(k)fluoranthene	110	22	1.1 J	0.70	0.025 J	<0.55	<1.6	0.0080 J	<0.38	6.7 J	380	11	1.6 J [0.58 J]	2.8	<1.6	0.11 J	<0.38
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	22	0.73	0.47 J	0.021 J	<0.55	<1.6	0.011 J	<0.38	3.4	340	10	1.7 J [0.55 J]	3.2	<1.6	0.086 J	0.0080 J
Dibenzo(a,h)anthracene	1.1	1.1 J	<0.49 J	<0.64 J	<0.55	<0.55	<1.6	<0.39	<0.38	1.7 J	16 J	0.58 J	0.22 J [0.12 J]	0.28 J	<1.6 J	0.017 J	<0.38
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	37	1.0	0.54 J	0.036 J	<0.55	<1.6	0.0080 J	<0.38	5.5	740	23	4.8 J [2.1 J]	9.6	<1.6	0.28 J	0.029 J
Fluorene	1,000	2.1 J	0.33 J	0.21 J	0.18 J	0.42 J	<1.6	<0.39	<0.38	3.0	360	11	4.5 J [2.7 J]	5.5	<1.6	0.16 J	<0.38
Indeno(1,2,3-cd)pyrene	11	2.5 J	0.098 J	0.074 J	<0.55	<0.55	<1.6 J	<0.39	<0.38	0.58 J	41 J	1.4 J	0.62 J [0.36 J]	0.73 J	<1.6 J	0.047 J	<0.38
Naphthalene	1,000	<0.22	0.42 JB	0.85 B	0.65 B	2.5 B	8.6 B	2.5 B	0.31 JB	0.25 J	66 J	0.31 J	7.6 J [14 J]	8.5	8.2	2.5	0.042 J
Phenanthrene	1,000	29	0.46 J	0.28 J	0.094 J	<0.55	<1.6	0.013 J	<0.38	9.8	1,100	28	11 J [5.1 J]	16	0.032 J	0.44	0.034 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	36	0.96	0.57 J	0.041 J	<0.55	<1.6	0.011 J	<0.38	5.5	570	19	3.8 J [1.5 J]	6.9	<1.6	0.18 J	0.018 J
Total PAHs	- -	240 J	8.7 J	6.3 J	2.6 J	6.2 J	8.6	2.6 J	0.32 J	54 J	5,500 J	160 J	56 J [40 J]	81 J	8.3 J	4.7 J	0.19 J
Total SVOCs	- -	240 J	8.7 J	6.3 J	2.6 J	6.2 J	8.6	2.6 J	0.32 J	54 J	5,500 J	160 J	56 J [40 J]	81 J	8.3 J	4.7 J	0.19 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-20								SB-21							
Sample Depth(Feet):	Industrial	2 - 4	8 - 10	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/22/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00	02/21/00
Soil Removed at Sample Location:										X	X	X	X				
Soil Stabilized at Sample Location :																	
Detected Pesticides																	
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																	
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	<0.590 J	<0.680 J	<0.820 J	<0.650 J	<1.67 J	<0.620 J	<0.600 J	<0.630 J	19.7 J	60.9 J	31.4 J	10.4 J [2.57 J]	<0.930 J	<0.630 J	<1.37 J	<0.700 J
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																	
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-22							SB-23						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00
Soil Removed at Sample Location:		X	X	X					X	X	X				
Soil Stabilized at Sample Location :															
Detected PCBs															
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs															
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	NA	NA	0.011	0.0030 J	0.020	0.0090	0.00070 J	0.0040 J	0.0020 J [0.014 J]	0.0040 J	0.0030 J	0.16 J	0.0070 J	<0.0050
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	NA	NA	0.0060 J	0.0020 J	0.0070	<0.0050	<0.0060	0.0050 J	0.014 J [0.014 J]	0.0010 J	<0.0070	0.0020 J	<0.0070	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	NA	NA	NA	NA	NA	0.27 J	0.039 J	0.13 J	<0.82 [0.047 J]	0.26 J	0.45 J	<0.78	<0.41	<0.33
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	NA	NA	0.024	0.0090	0.039	0.00040 J	<0.0060	0.0070 J	0.0020 J [<0.0050 J]	0.0060 J	0.0020 J	0.23	0.0010 J	0.00060 J
Xylenes (total)	1,000	NA	NA	0.066	0.022	0.080	0.00040 J	<0.0060	0.0010 J	0.0050 J [0.014 J]	0.0080	0.0050 J	0.028	<0.0070	0.00040 J
Total BTEX	- -	NA	NA	0.11 J	0.036 J	0.15	0.0098 J	0.00070 J	0.017 J	0.023 J [0.042 J]	0.019 J	0.010 J	0.42 J	0.0080 J	0.0010 J
Total VOCs	- -	NA	NA	0.11 J	0.036 J	0.15	0.0098 J	0.00070 J	0.017 J	0.023 J [0.042 J]	0.019 J	0.010 J	0.42 J	0.0080 J	0.0010 J
Detected SVOCs															
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	NA	NA	NA	NA	NA	<0.33	0.0030 J	0.22 J	<0.82 [0.89 J]	0.18 J	0.037 J	<0.78	<0.41	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	NA	NA	NA	NA	NA	<0.33	<0.38	0.16 J	<0.82 [0.89 J]	0.017 J	<0.50	<0.78	<0.41	<0.33
Acenaphthylene	1,000	NA	NA	NA	NA	NA	0.0070 J	0.0040 J	0.054 J	<0.82 [0.018 J]	0.050 J	<0.50	<0.78	<0.41	<0.33
Anthracene	1,000	NA	NA	NA	NA	NA	0.018 J	0.0080 J	0.42	<0.82 [0.026 J]	0.10 J	0.0040 J	<0.78	<0.41	<0.33
Benzo(a)anthracene	11	NA	NA	NA	NA	NA	0.041 J	0.033 J	1.4	0.018 J [0.12 J]	0.17 J	0.0080 J	<0.78	<0.41	<0.33
Benzo(a)pyrene	1.1	NA	NA	NA	NA	NA	0.030 J	0.024 J	1.5	<0.82 [0.89 J]	0.12 J	<0.50	<0.78	<0.41	<0.33
Benzo(b)fluoranthene	11	NA	NA	NA	NA	NA	0.023 J	0.025 J	1.7	<0.82 [0.044 J]	0.087 J	<0.50	<0.78	<0.41	<0.33
Benzo(g,h,i)perylene	1,000	NA	NA	NA	NA	NA	0.016 J	0.0080 J	0.32 J	<0.82 [0.89 J]	<0.50	<0.50	<0.78	<0.41	<0.33
Benzo(k)fluoranthene	110	NA	NA	NA	NA	NA	0.040 J	0.026 J	1.6	<0.82 [0.052 J]	0.10 J	<0.50	<0.78	<0.41	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	NA	NA	NA	NA	NA	0.034 J	0.033 J	1.6	0.017 J [0.15 J]	0.17 J	0.0080 J	<0.78	<0.41	<0.33
Dibenzo(a,h)anthracene	1.1	NA	NA	NA	NA	NA	<0.33	0.0040 J	0.12 J	<0.82 [0.89 J]	<0.50	<0.50	<0.78	<0.41	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	NA	NA	NA	NA	NA	0.093 J	0.064 J	2.0	0.23 J [0.92 J]	0.41 J	0.021 J	<0.78	<0.41	<0.33
Fluorene	1,000	NA	NA	NA	NA	NA	<0.33	0.0030 J	0.14 J	<0.82 [0.89 J]	0.044 J	<0.50	<0.78	<0.41	<0.33
Indeno(1,2,3-cd)pyrene	11	NA	NA	NA	NA	NA	0.018 J	0.0090 J	0.36	<0.82 [0.89 J]	0.022 J	<0.50	<0.78	<0.41	<0.33
Naphthalene	1,000	NA	NA	NA	NA	NA	0.27 J	0.039 J	0.13 J	<0.82 [0.047 J]	0.26 J	0.45 J	<0.78	<0.41	<0.33
Phenanthrene	1,000	NA	NA	NA	NA	NA	0.022 J	0.014 J	1.4	0.029 J [0.080 J]	0.37 J	0.014 J	<0.78	<0.41	<0.33
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	NA	NA	NA	NA	NA	0.050 J	0.052 J	1.8	0.12 J [1.1 J]	0.38 J	0.016 J	<0.78	<0.41	<0.33
Total PAHs	- -	NA	NA	NA	NA	NA	0.66 J	0.35 J	15 J	0.41 J [8.8 J]	2.5 J	0.56 J	<0.78	<0.41	<0.33
Total SVOCs	- -	NA	NA	NA	NA	NA	0.66 J	0.35 J	15 J	0.41 J [8.8 J]	2.5 J	0.56 J	<0.78	<0.41	<0.33

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-22							SB-23						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00	02/29/00
Soil Removed at Sample Location:		X	X	X					X	X	X				
Soil Stabilized at Sample Location :															
Detected Pesticides															
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics															
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	11.1	46.8 [19.1]	4.33	1.63	0.590	0.630	<1.20	<1.07 J	78.8 J [122 J]	<1.36 J	<0.740 J	<0.620 J	<0.680 J	0.610
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous															
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-24								SB-25							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00
Soil Removed at Sample Location:																	
Soil Stabilized at Sample Location :																	
Detected PCBs																	
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																	
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.0018 J	<0.011	<0.0089	<0.0071	0.0040 J	0.051	0.041	0.0097	<0.0061	<0.0062	0.010	0.0020 J	0.026 [0.014]	0.098	0.0083	<0.0057
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0059	<0.011	<0.0089	<0.0071	0.0053 J	<0.0065	<0.0060	<0.0067	<0.0061	<0.0062	0.0090	0.014	0.0060 J [0.0044 J]	<0.0060	<0.0063	<0.0057
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.33 J	<0.73	0.063 J	0.24 J	0.82	<0.41	<0.40	0.021 J	0.60	0.39	0.028 J	0.15 J	0.21 J [0.34]	<0.43	<0.41	<0.40
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.014	<0.011	0.0028 J	<0.0071	0.0089	0.022	0.0026 J	<0.0067	0.0014 J	<0.0062	<0.0081	0.0033 J	0.036 [0.026]	0.0027 J	<0.0063	<0.0057
Xylenes (total)	1,000	<0.0059	<0.011	<0.0089	0.0019 J	0.084	<0.0065	<0.0060	<0.0067	<0.0061	<0.0062	0.0030 J	0.082	0.093 [0.072]	<0.0060	<0.0063	<0.0057
Total BTEX	- -	0.016 J	<0.011	0.0028 J	0.0019 J	0.10 J	0.073	0.044 J	0.0097	0.0014 J	<0.0062	0.022 J	0.10 J	0.16 J [0.12 J]	0.10 J	0.0083	<0.0057
Total VOCs	- -	0.016 J	<0.011	0.0028 J	0.0019 J	0.10 J	0.073	0.044 J	0.0097	0.0014 J	<0.0062	0.022 J	0.10 J	0.16 J [0.12 J]	0.10 J	0.0083	<0.0057
Detected SVOCs																	
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.23 J	<0.73	0.043 J	0.16 J	0.065 J	<0.41	<0.40	<0.40	0.95	0.27 J	<0.53	0.037 J	<0.54 [0.0077 J]	<0.43	<0.41	<0.40
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.42 J	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.057 J	<0.39	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Acenaphthylene	1,000	0.040 J	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.017 J	0.062 J	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Anthracene	1,000	0.93	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.20 J	0.20 J	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Benzo(a)anthracene	11	2.5	<0.73	0.055 J	<0.54	<0.48	<0.41	<0.40	<0.40	0.74	0.60	<0.53	0.033 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Benzo(a)pyrene	1.1	2.2	<0.73	0.042 J	<0.54	<0.48	<0.41	<0.40	<0.40	0.57	0.39	<0.53	0.030 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Benzo(b)fluoranthene	11	1.8	<0.73	0.042 J	<0.54	<0.48	<0.41	<0.40	<0.40	0.54	0.63	<0.53	0.026 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Benzo(g,h,i)perylene	1,000	1.2	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.28 J	0.30 J	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Benzo(k)fluoranthene	110	2.5	<0.73	0.052 J	<0.54	<0.48	<0.41	<0.40	<0.40	0.77	0.76	<0.53	0.028 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	2.4	<0.73	0.087 J	<0.54	<0.48	<0.41	<0.40	<0.40	0.80	0.77	<0.53	0.033 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Dibenzo(a,h)anthracene	1.1	0.52 J	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.13 J	0.16 J	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	4.3	<0.73	0.12 J	<0.54	<0.48	<0.41	<0.40	<0.40	1.5	1.0	<0.53	0.044 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Fluorene	1,000	0.42 J	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.11 J	0.076 J	0.026 J	0.066 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Indeno(1,2,3-cd)pyrene	11	1.2	<0.73	<0.80	<0.54	<0.48	<0.41	<0.40	<0.40	0.30 J	0.32 J	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Naphthalene	1,000	0.33 J	<0.73	0.063 J	0.24 J	0.82	<0.41	<0.40	0.021 J	0.60	0.39	0.028 J	0.15 J	0.21 J [0.34]	<0.43	<0.41	<0.40
Phenanthrene	1,000	3.6	<0.73	0.17 J	0.041 J	<0.48	<0.41	<0.40	<0.40	0.98	0.80	<0.53	<0.49	<0.54 [<0.57]	<0.43	<0.41	<0.40
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	4.6	<0.73	0.085 J	<0.54	<0.48	<0.41	<0.40	<0.40	1.4	1.1	<0.53	0.048 J	<0.54 [<0.57]	<0.43	<0.41	<0.40
Total PAHs	- -	29 J	<0.73	0.76 J	0.44 J	0.89 J	<0.41	<0.40	0.021 J	9.9 J	7.8 J	0.054 J	0.50 J	0.21 J [0.35 J]	<0.43	<0.41	<0.40
Total SVOCs	- -	29 J	<0.73	0.76 J	0.44 J	0.89 J	<0.41	<0.40	0.021 J	9.9 J	7.8 J	0.054 J	0.50 J	0.21 J [0.35 J]	<0.43	<0.41	<0.40

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-24								SB-25							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00	03/17/00
Soil Removed at Sample Location:																	
Soil Stabilized at Sample Location :																	
Detected Pesticides																	
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																	
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	11.6	15.1	75.4	<0.800	<0.690	<0.510	<0.540	<0.560	35.1	23.1	6.50	5.10	<0.790 [<0.780]	<0.630	<0.580	<0.550
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																	
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-26							SB-27							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00
Soil Removed at Sample Location:									X	X	X	X				
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.012	<0.014	0.00050 J	0.13	<0.0060	0.00080 J	0.0060	<0.010 J	<0.010 J	0.022 J	0.0020 J	0.029	0.0090	0.0010 J	0.067
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.012	<0.014	0.0050 J	0.38	0.0070	0.00070 J	0.00050 J	<0.010 J	<0.010 J	0.0040 J	0.00080 J	0.023	0.0090	0.0010 J	0.00080 J
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	<0.65	<0.92	0.010 J	0.014 J	3.0	0.16 J	0.030 J	0.0050 J	0.054 J	2.6 J	1.1	6.9	4.2	1.3	0.13 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.00050 J	0.00070 J	0.0040 J	0.55	0.0080	0.0010 J	0.00070 J	<0.010 J	<0.010 J	0.044 J	0.0070	0.053	0.012	0.00060 J	0.00070 J
Xylenes (total)	1,000	<0.012	<0.014	0.034 J	2.3	0.038	0.0050 J	0.0030 J	<0.010 J	<0.010 J	0.052 J	0.015	0.34	0.098	0.0010 J	0.0010 J
Total BTEX	- -	0.00050 J	0.00070 J	0.044 J	3.4	0.053	0.0075 J	0.010 J	<0.010	<0.010	0.12 J	0.025 J	0.45	0.13	0.0036 J	0.070 J
Total VOCs	- -	0.00050 J	0.00070 J	0.044 J	3.4	0.053	0.0075 J	0.010 J	<0.010	<0.010	0.12 J	0.025 J	0.45	0.13	0.0036 J	0.070 J
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.65	<0.92	0.012 J	0.0080 J	1.6	0.017 J	0.0050 J	<0.73 J	0.050 J	2.6 J	0.56	2.2	0.27 J	0.016 J	0.017 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.65	<0.92	0.82 J	0.0030 J	0.082 J	<0.38	<0.39	<0.73 J	0.018 J	0.26 J	0.050 J	0.11 J	0.0090 J	0.0020 J	<0.40
Acenaphthylene	1,000	<0.65	0.018 J	0.82 J	0.0090 J	0.21 J	0.0030 J	<0.39	<0.73 J	0.26 J	1.0 J	0.28 J	1.0	0.084 J	0.011 J	0.0070 J
Anthracene	1,000	<0.65	0.039 J	0.0040 J	0.016 J	<0.39	0.0010 J	<0.39	<0.73 J	0.32 J	0.52 J	0.035 J	<1.0	<0.80	0.013 J	0.010 J
Benzo(a)anthracene	11	0.046 J	0.18 J	0.026 J	0.023 J	<0.39	0.0040 J	<0.39	0.0060 J	0.99 J	0.35 J	<0.44	<1.0	<0.80	0.010 J	0.012 J
Benzo(a)pyrene	1.1	0.059 J	0.19 J	0.016 J	0.016 J	<0.39	0.0040 J	<0.39	0.0090 J	0.98 J	0.31 J	<0.44	<1.0	<0.80	0.0090 J	0.0090 J
Benzo(b)fluoranthene	11	0.044 J	0.16 J	0.030 J	0.012 J	<0.39	0.0050 J	<0.39	0.010 J	0.81 J	0.28 J	<0.44	<1.0	<0.80	0.0080 J	0.0090 J
Benzo(g,h,i)perylene	1,000	0.048 J	0.14 J	0.014 J	0.0060 J	<0.39	0.0030 J	<0.39	0.0070 J	0.94 J	0.23 J	<0.44	<1.0	<0.80	0.0040 J	0.0040 J
Benzo(k)fluoranthene	110	0.054 J	0.21 J	0.022 J	0.021 J	<0.39	0.0040 J	<0.39	0.010 J	1.1 J	0.27 J	<0.44	<1.0	<0.80	0.0090 J	0.010 J
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.042 J	0.16 J	0.047 J	0.020 J	0.0080 J	0.0060 J	0.0020 J	0.011 J	1.0 J	0.34 J	<0.44	<1.0	0.0040 J	0.010 J	0.013 J
Dibenzo(a,h)anthracene	1.1	<0.65	0.055 J	0.82 J	<0.39	<0.39	<0.38	<0.39	<0.73 J	0.30 J	0.067 J	<0.44	<1.0	<0.80	<0.39	0.0020 J
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.047 J	0.24 J	0.052 J	0.050 J	0.0020 J	0.0060 J	0.0020 J	0.0050 J	1.4	0.70 J	0.011 J	<1.0	0.0050 J	0.023 J	0.025 J
Fluorene	1,000	<0.65	<0.92	0.82 J	0.013 J	0.0030 J	<0.38	<0.39	<0.73 J	0.035 J	0.75 J	0.19 J	0.23 J	0.013 J	0.015 J	0.0070 J
Indeno(1,2,3-cd)pyrene	11	0.045 J	0.15 J	0.013 J	0.0070 J	<0.39	0.0020 J	<0.39	0.0070 J	0.84 J	0.20 J	<0.44	<1.0	<0.80	0.0040 J	0.0040 J
Naphthalene	1,000	<0.65	<0.92	0.010 J	0.014 J	3.0	0.16 J	0.030 J	0.0050 J	0.054 J	2.6 J	1.1	6.9	4.2	1.3	0.13 J
Phenanthrene	1,000	0.015 J	0.13 J	0.056 J	0.045 J	0.010 J	0.0060 J	0.0020 J	0.0040 J	0.46 J	2.9 J	0.18 J	0.0060 J	0.012 J	0.035 J	0.032 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.063 J	0.27 J	0.056 J	0.039 J	0.0050 J	0.0070 J	0.0030 J	0.0050 J	1.6	0.59 J	0.0070 J	<1.0	0.0070 J	0.016 J	0.022 J
Total PAHs	- -	0.46 J	1.9 J	3.6 J	0.30 J	4.9 J	0.23 J	0.044 J	0.079 J	11 J	14 J	2.4 J	10 J	4.6 J	1.5 J	0.31 J
Total SVOCs	- -	0.46 J	1.9 J	3.6 J	0.30 J	4.9 J	0.23 J	0.044 J	0.079 J	11 J	14 J	2.4 J	10 J	4.6 J	1.5 J	0.31 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-26							SB-27							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	02/24/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00	03/02/00
Soil Removed at Sample Location:									X	X	X	X				
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	<2.30 J	25.9 J	13.9 J	1.40	1.12	<0.570 J	<0.600 J	1.45 J	5.95 J	65.9 J	<0.680 J	<0.820	<0.590	<0.600	<0.610
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-28							SB-29					
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50	6 - 8	10 - 12	14 - 16	20 - 22	38 - 40	48 - 50
Date Collected:	Use SCOs	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00
Soil Removed at Sample Location:		X	X	X					X	X	X			
Soil Stabilized at Sample Location :														
Detected PCBs														
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs														
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.00050 J	0.0020 J	0.00090 J	0.0010 J	0.11	0.093	0.00060 J	<0.0050	0.00040 J [<0.0050]	0.00050 J	<0.0050	0.0020 J	<0.0050
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0050	<0.0050	0.00090 J	0.0010 J	0.0010 J	0.061	0.00060 J	<0.0050	<0.0050 [<0.0050]	<0.0050	<0.0050	<0.0050	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.37 J	0.60 J	4.7	2.8	0.25 J	2.0	<0.33	0.038 J	0.74 [0.35 J]	0.088 J	1.2	0.024 J	<0.33
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.00040 J	0.0020 J	0.0020 J	0.0020 J	0.14	0.099	0.00090 J	0.00070 J	0.00080 J [0.00070 J]	0.00080 J	0.00040 J	0.00040 J	0.00040 J
Xylenes (total)	1,000	<0.0050	0.00060 J	0.010	0.015	0.026	0.16	0.0020 J	<0.0050	0.00090 J [0.00070 J]	<0.0050	0.0010 J	0.00060 J	<0.0050
Total BTEX	- -	0.00090 J	0.0046 J	0.014 J	0.019 J	0.28 J	0.41	0.0041 J	0.00070 J	0.0021 J [0.0014 J]	0.0013 J	0.0014 J	0.0030 J	0.00040 J
Total VOCs	- -	0.00090 J	0.0046 J	0.014 J	0.019 J	0.28 J	0.41	0.0041 J	0.00070 J	0.0021 J [0.0014 J]	0.0013 J	0.0014 J	0.0030 J	0.00040 J
Detected SVOCs														
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.29 J	1.2 J	2.3	2.3	0.0090 J	0.016 J	<0.33	0.062 J	0.34 J [0.16 J]	0.21 J	0.55	<0.33	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.23 J	6.0 J	0.16 J	0.19 J	<0.33	<0.33	<0.33	<0.33	0.015 J [<0.33]	0.018 J	0.023 J	<0.33	<0.33
Acenaphthylene	1,000	1.3 J	6.4 J	1.1	1.1	<0.33	<0.33	<0.33	0.013 J	0.091 J [0.043 J]	0.034 J	0.065 J	<0.33	<0.33
Anthracene	1,000	4.2	24	0.42 J	0.049 J	<0.33	0.0090 J	<0.33	0.036 J	0.027 J [0.082 J]	0.035 J	0.018 J	<0.33	<0.33
Benzo(a)anthracene	11	12	38	1.9	<0.33	<0.33	0.057 J	<0.33	0.029 J	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	1.1	11	34	1.9	<0.33	<0.33	0.058 J	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	11	14	40	1.8	<0.33	<0.33	0.053 J	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	1,000	1.0 J	3.5 J	0.21 J	<0.33	<0.33	0.023 J	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	110	21	54	2.4	<0.33	<0.33	0.069 J	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	11	39	2.0	<0.33	<0.33	0.061 J	<0.33	0.072 J	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Dibenzo(a,h)anthracene	1.1	0.55 J	2.1 J	0.097 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	17	62	2.3	0.011 J	<0.33	0.050 J	<0.33	0.077 J	0.021 J [0.058 J]	<0.33	<0.33	<0.33	<0.33
Fluorene	1,000	1.2 J	11	0.68 J	0.89	<0.33	<0.33	<0.33	<0.33	0.097 J [0.055 J]	0.14 J	0.073 J	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	11	1.3 J	4.3 J	0.26 J	<0.33	<0.33	0.026 J	<0.33	<0.33	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33
Naphthalene	1,000	0.37 J	0.60 J	4.7	2.8	0.25 J	2.0	<0.33	0.038 J	0.74 [0.35 J]	0.088 J	1.2	0.024 J	<0.33
Phenanthrene	1,000	9.9	59	1.1	0.17 J	<0.33	0.029 J	<0.33	0.52 J	0.028 J [0.28 J]	0.16 J	0.056 J	<0.33	<0.33
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	13	48	2.3	0.010 J	<0.33	0.053 J	<0.33	0.071 J	<0.33 [0.040 J]	<0.33	<0.33	<0.33	<0.33
Total PAHs	- -	120 J	430 J	26 J	7.5 J	0.26 J	2.5 J	<0.33	0.92 J	1.4 J [1.1 J]	0.69 J	2.0 J	0.024 J	<0.33
Total SVOCs	- -	120 J	430 J	26 J	7.5 J	0.26 J	2.5 J	<0.33	0.92 J	1.4 J [1.1 J]	0.69 J	2.0 J	0.024 J	<0.33

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-28							SB-29					
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	28 - 30	38 - 40	48 - 50	6 - 8	10 - 12	14 - 16	20 - 22	38 - 40	48 - 50
Date Collected:	Use SCOs	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00	03/01/00
Soil Removed at Sample Location:		X	X	X					X	X	X			
Soil Stabilized at Sample Location :														
Detected Pesticides														
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics														
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	0.630	0.940	0.830	0.790	0.640	0.560	0.590	71.3	0.730 [0.720]	0.640	0.790	0.670	0.650
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous														
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-30								SB-31						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	24	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/07/00	03/07/00	03/07/00	03/07/00	03/07/00	03/07/00	03/07/00
Soil Removed at Sample Location:																
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	NA	<0.012 J	0.0048 J	<0.0071 J [<0.012 J]	<0.0079	0.0021 J	<0.0058	<0.0059	0.00050 J	0.0040 J	0.0080	0.0040 J	0.013	0.0020 J	<0.0050
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	NA	<0.012 J	0.012 J	0.026 J [0.077 J]	<0.0079	0.0094	0.0012 J	<0.0059	<0.0050	0.0020 J	0.071	0.042	0.032	0.0020 J	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	<0.55	<0.82 J	0.13 J	2.7 [3.0]	NA	0.42 J	1.3	<0.39	1.5 J	13	25	5.5	2.6	0.024 J	<0.33
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	NA	<0.012 J	0.011 J	0.0055 J [0.012 J]	<0.0079	0.020	0.0025 J	<0.0059	0.0010 J	0.0080	0.047	0.020	0.049	0.0020 J	<0.0050
Xylenes (total)	1,000	NA	<0.012 J	0.050 J	0.23 J [0.49 J]	<0.0079	0.059	0.0047 J	<0.0059	0.0010 J	0.030	0.26	0.50	0.19	0.0060	<0.0050
Total BTEX	- -	NA	<0.012	0.078 J	0.26 J [0.58 J]	<0.0079	0.091 J	0.0084 J	<0.0059	0.0025 J	0.044 J	0.39	0.57 J	0.28	0.012 J	<0.0050
Total VOCs	- -	NA	<0.012	0.078 J	0.26 J [0.58 J]	<0.0079	0.091 J	0.0084 J	<0.0059	0.0025 J	0.044 J	0.39	0.57 J	0.28	0.012 J	<0.0050
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.55	<0.82 J	0.15 J	0.54 J [1.4 J]	NA	0.28 J	0.081 J	<0.39	1.1 J	5.7	21	2.4	0.18 J	<0.33	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.55	<0.82 J	<0.97 J	0.037 J [0.090 J]	NA	0.13 J	<0.37	<0.39	0.98 J	1.3 J	2.8 J	0.26 J	<0.33	<0.33	<0.33
Acenaphthylene	1,000	<0.55	<0.82 J	<0.97 J	0.096 J [0.24 J]	NA	0.063 J	<0.37	<0.39	6.6	9.3	13	1.0	0.027 J	<0.33	<0.33
Anthracene	1,000	<0.55	<0.82 J	<0.97 J	<0.47 [<0.49]	NA	0.48 J	0.019 J	<0.39	5.8	12	15	<0.33	<0.33	<0.33	<0.33
Benzo(a)anthracene	11	0.030 J	<0.82 J	0.085 J	<0.47 [<0.49]	NA	1.8	0.050 J	<0.39	12	13	10	0.029 J	<0.33	<0.33	<0.33
Benzo(a)pyrene	1.1	0.059 J	<0.82 J	<0.97 J	<0.47 [<0.49]	NA	1.6	0.039 J	<0.39	12	12	7.8	0.029 J	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	11	0.035 J	<0.82 J	0.096 J	<0.47 [<0.49]	NA	1.6	0.035 J	<0.39	11	10	5.9	0.020 J	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	1,000	0.048 J	<0.82 J	<0.97 J	<0.47 [<0.49]	NA	0.90	<0.37	<0.39	12	10	4.3 J	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	110	0.043 J	<0.82 J	0.069 J	<0.47 [<0.49]	NA	1.6	0.035 J	<0.39	15	10	9.1	0.035 J	<0.33	<0.33	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.041 J	0.048 J	0.15 J	<0.47 [<0.49]	NA	1.8	0.044 J	<0.39	14	13	8.6	0.020 J	<0.33	<0.33	<0.33
Dibenzo(a,h)anthracene	1.1	<0.55	<0.82 J	<0.97 J	<0.47 [<0.49]	NA	0.36 J	<0.37	<0.39	4.8	3.7	1.5 J	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	<0.55	0.078 J	0.17 J	<0.47 [<0.49]	NA	2.6	0.076 J	<0.39	19	24	22	0.048 J	0.0050 J	0.013 J	<0.33
Fluorene	1,000	<0.55	<0.82 J	<0.97 J	0.054 J [0.19 J]	NA	0.18 J	<0.37	<0.39	1.2 J	9.2	14	1.2	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	11	0.038 J	<0.82 J	<0.97 J	<0.47 [<0.49]	NA	0.91	0.017 J	<0.39	12	10	4.9	<0.33	<0.33	<0.33	<0.33
Naphthalene	1,000	<0.55	<0.82 J	0.13 J	2.7 [3.0]	NA	0.42 J	1.3	<0.39	1.5 J	13	25	5.5	2.6	0.024 J	<0.33
Phenanthrene	1,000	<0.55	<0.82 J	0.58 J	<0.47 [<0.49]	NA	1.8	0.047 J	<0.39	12	28	37	0.22 J	0.012 J	0.011 J	<0.33
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.045 J	0.049 J	0.13 J	<0.47 [<0.49]	NA	2.6	0.069 J	<0.39	14	16	15	0.026 J	0.0070 J	0.010 J	<0.33
Total PAHs	- -	0.34 J	0.18 J	1.6 J	3.4 J [4.9 J]	NA	19 J	1.8 J	<0.39	160 J	200 J	220 J	11 J	2.8 J	0.058 J	<0.33
Total SVOCs	- -	0.34 J	0.18 J	1.6 J	3.4 J [4.9 J]	NA	19 J	1.8 J	<0.39	160 J	200 J	220 J	11 J	2.8 J	0.058 J	<0.33

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-30								SB-31						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	20 - 22	24	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/07/00	03/07/00	03/07/00	03/07/00	03/07/00	03/07/00	03/07/00
Soil Removed at Sample Location:																
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	NA	NA	NA	NA	NA	NA	NA	NA	16.4	7.58	1.45	1.70	1.17	0.610	0.650
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-32									SB-33					
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	22 - 24	28 - 30	38 - 40	48 - 50	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/14/00	03/14/00	03/14/00	03/14/00	03/14/00	03/14/00
Soil Removed at Sample Location:																
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.0010 J	<0.0050	0.0020 J	0.0090	0.034 J	0.024 J	0.019	0.0020 J	0.0020 J	<0.012 J	<3.5	<0.75	0.019	<0.0057 [0.0014 J]	<0.0062
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0050	0.00040 J	<0.0050	0.0050 J	0.094	0.13	0.042	0.0040 J	0.0040 J	<0.012 J	<3.5	0.83	0.029	<0.0057 [0.0013 J]	<0.0062
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	<0.33	0.085 J	1.3	11	50	36	4.7	0.20 J	0.012 J	0.22 J	210 E	31 E	2.2	0.60 [0.20 J]	0.28 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0020 J	<0.0050	0.0020 J	0.0080	0.17	0.19	0.026	0.0010 J	0.0030 J	<0.012 J	<3.5	0.34 J	0.064	<0.0057 [0.0011 J]	<0.0062
Xylenes (total)	1,000	0.00040 J	0.0020 J	0.0040 J	0.068	0.97	1.5	0.17	0.0090	0.017	<0.012 J	<3.5	15	0.33	0.0093 [0.016]	0.017
Total BTEX	- -	0.0034 J	0.0024 J	0.0080 J	0.090 J	1.3 J	1.8 J	0.26	0.016 J	0.026 J	<0.012	<3.5	16 J	0.44	0.0093 [0.020 J]	0.017
Total VOCs	- -	0.0034 J	0.0024 J	0.0080 J	0.090 J	1.3 J	1.8 J	0.26	0.016 J	0.026 J	<0.012	<3.5	16 J	0.44	0.0093 [0.020 J]	0.017
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.33	0.033 J	1.2	12	6.4 J	1.7 J	0.073 J	0.0080 J	<0.33	0.089 J	63 E	7.6 E	0.031 J	0.068 J [0.018 J]	0.038 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.33	0.020 J	0.11 J	1.0 J	3.2 J	<0.33	0.011 J	<0.33	<0.33	<0.80 J	2.4	0.34 J	<0.38	<0.43 [<0.37]	<0.39
Acenaphthylene	1,000	<0.33	0.18 J	0.38 J	0.74 J	0.10 J	0.34 J	0.0090 J	<0.33	<0.33	0.48 J	21 E	3.2	<0.38	0.020 J [<0.37]	<0.39
Anthracene	1,000	<0.33	0.20 J	0.28 J	0.80 J	<0.33	<0.33	<0.33	<0.33	<0.33	0.14 J	8.7 E	0.75	<0.38	<0.43 [<0.37]	<0.39
Benzo(a)anthracene	11	<0.33	0.52	0.35 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	1.6 J	4.7 E	0.39 J	<0.38	<0.43 [<0.37]	<0.39
Benzo(a)pyrene	1.1	<0.33	0.44 J	0.37 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	2.8 J	3.4	0.27 J	<0.38	<0.43 [<0.37]	<0.39
Benzo(b)fluoranthene	11	<0.33	0.47 J	0.32 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	2.5 J	2.6	0.23 J	<0.38	<0.43 [<0.37]	<0.39
Benzo(g,h,i)perylene	1,000	<0.33	0.46 J	0.074 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	1.7 J	1.2	0.13 J	<0.38	<0.43 [<0.37]	<0.39
Benzo(k)fluoranthene	110	<0.33	0.50	0.34 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	2.6 J	3.4	0.25 J	<0.38	<0.43 [<0.37]	<0.39
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	<0.33	0.55	0.44 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	1.5 J	3.7	0.33 J	<0.38	<0.43 [<0.37]	<0.39
Dibenzo(a,h)anthracene	1.1	<0.33	0.15 J	0.033 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.63 J	0.45 J	0.050 J	<0.38	<0.43 [<0.37]	<0.39
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	<0.33	0.81	0.53	0.072 J	<0.33	<0.33	<0.33	<0.33	<0.33	2.5 J	0.55	1.2	<0.38	<0.43 [<0.37]	<0.39
Fluorene	1,000	<0.33	0.033 J	0.54	5.1	0.77 J	<0.33	<0.33	<0.33	<0.33	0.042 J	13 E	1.6	<0.38	0.022 J [<0.37]	<0.39
Indeno(1,2,3-cd)pyrene	11	<0.33	0.43 J	0.093 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	1.9 J	1.5	0.14 J	<0.38	<0.43 [<0.37]	<0.39
Naphthalene	1,000	<0.33	0.085 J	1.3	11	50	36	4.7	0.20 J	0.012 J	0.22 J	210 E	31 E	2.2	0.60 [0.20 J]	0.28 J
Phenanthrene	1,000	<0.33	0.32 J	1.4	4.1	0.13 J	<0.33	0.010 J	0.0040 J	<0.33	0.24 J	27 E	2.4	0.026 J	0.039 J [<0.37]	<0.39
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	<0.33	0.80	0.49	0.032 J	<0.33	<0.33	<0.33	<0.33	<0.33	1.5 J	0.38 J	0.66	<0.38	<0.43 [<0.37]	<0.39
Total PAHs	- -	<0.33	6.0 J	8.3 J	35 J	61 J	38 J	4.8 J	0.21 J	0.012 J	20 J	370 J	51 J	2.3 J	0.75 J [0.22 J]	0.32 J
Total SVOCs	- -	<0.33	6.0 J	8.3 J	35 J	61 J	38 J	4.8 J	0.21 J	0.012 J	20 J	370 J	51 J	2.3 J	0.75 J [0.22 J]	0.32 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-32									SB-33					
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	22 - 24	28 - 30	38 - 40	48 - 50	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/14/00	03/14/00	03/14/00	03/14/00	03/14/00	03/14/00
Soil Removed at Sample Location:																
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	0.520	9.56	7.21	0.640	1.78	0.760	0.600	0.600	0.590	20.1 J	9.60	<0.780	<0.560	<0.640 [<0.570]	<0.490
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-34									SB-35						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	48 - 50	2 - 4	6 - 8	16 - 18	18 - 20	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/07/00	03/06/00	03/07/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00
Soil Removed at Sample Location:																	
Soil Stabilized at Sample Location :																	
Detected PCBs																	
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																	
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0050	<0.0050	0.022	0.0080	0.012	0.017	0.00030 J	NA	<0.0050	0.00030 J	0.00040 J [0.00050 J]	0.0070	0.0020 J	0.011	0.051	<0.0050
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0050	<0.0050	0.027	0.011	0.013	0.048	0.00080 J	NA	<0.0050	<0.0050	<0.0050 [0.0020 J]	0.010	0.012	0.024	0.00040 J	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.55 J	0.086 J	0.36 J	0.39 J	1.9	3.4	0.15 J	NA	<0.33	NA	0.97 J [0.88 J]	NA	4.1	10	0.58	0.022 JB
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	<0.0050	<0.0050	0.0060 J	0.0040 J	0.023	0.086	0.00060 J	NA	<0.0050	0.0010 J	<0.0050 [0.0030 J]	0.0090	0.0050 J	0.041	0.0010 J	<0.0050
Xylenes (total)	1,000	<0.0050	<0.0050	0.062	0.026	0.084	0.27	0.0030 J	NA	<0.0050	0.0020 J	<0.0050 [0.024]	0.052	0.075	0.24	0.0040 J	<0.0050
Total BTEX	- -	<0.0050	<0.0050	0.12 J	0.049 J	0.13	0.42	0.0047 J	NA	<0.0050	0.0033 J	0.00040 J [0.030 J]	0.078	0.094 J	0.32	0.056 J	<0.0050
Total VOCs	- -	<0.0050	<0.0050	0.12 J	0.049 J	0.13	0.42	0.0047 J	NA	<0.0050	0.0033 J	0.00040 J [0.030 J]	0.078	0.094 J	0.32	0.056 J	<0.0050
Detected SVOCs																	
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.22 J	0.23 J	0.30 J	0.66	1.4	0.12 J	<0.33	NA	<0.33	NA	0.43 J [0.46 J]	NA	1.9	0.21 J	0.011 J	<0.33
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.11 J	0.031 J	0.030 J	0.12 J	0.15 J	<0.33	<0.33	NA	<0.33	NA	0.18 J [0.16 J]	NA	0.12 J	<0.33	<0.33	<0.33
Acenaphthylene	1,000	0.77	0.12 J	0.10 J	0.36 J	0.55	0.017 J	<0.33	NA	<0.33	NA	0.65 J [0.73 J]	NA	0.68 J	0.037 J	<0.33	<0.33
Anthracene	1,000	0.32 J	0.069 J	0.064 J	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	1.1 [0.97 J]	NA	0.081 J	<0.33	<0.33	<0.33
Benzo(a)anthracene	11	0.42 J	0.14 J	0.027 J	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	2.8 [5.0]	NA	0.021 J	<0.33	<0.33	<0.33
Benzo(a)pyrene	1.1	0.44 J	0.12 J	0.018 J	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	2.8 [4.8]	NA	0.010 J	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	11	0.34 J	0.17 J	0.0060 J	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	2.3 [4.9]	NA	0.0090 J	<0.33	<0.33	<0.33
Benzo(g,h,i)perylene	1,000	0.83	0.20 J	<0.33	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	2.0 [3.2]	NA	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	110	0.41 J	0.17 J	0.011 J	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	2.9 [4.4]	NA	0.010 J	<0.33	<0.33	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.55 J	0.20 J	0.027 J	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	3.1 [4.9]	NA	0.014 J	<0.33	0.0060 J	<0.33
Dibenzo(a,h)anthracene	1.1	0.38 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	0.67 J [0.92 J]	NA	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.43 J	0.17 J	0.17 J	0.0050 J	0.012 J	<0.33	<0.33	NA	<0.33	NA	4.3 [8.3]	NA	0.077 J	<0.33	<0.33	<0.33
Fluorene	1,000	0.083 J	0.14 J	0.15 J	0.57	0.66	<0.33	<0.33	NA	<0.33	NA	0.29 J [0.22 J]	NA	0.40 J	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	11	0.82	0.14 J	<0.33	<0.33	<0.33	<0.33	<0.33	NA	<0.33	NA	1.9 [3.0]	NA	<0.33	<0.33	<0.33	<0.33
Naphthalene	1,000	0.55 J	0.086 J	0.36 J	0.39 J	1.9	3.4	0.15 J	NA	<0.33	NA	0.97 J [0.88 J]	NA	4.1	10	0.58	0.022 JB
Phenanthrene	1,000	0.54 J	0.36 J	0.22 J	0.13 J	0.050 J	0.0090 J	<0.33	NA	<0.33	NA	2.8 [2.5]	NA	0.26 J	<0.33	0.0050 J	<0.33
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.41 J	0.12 J	0.11 J	<0.33	0.0070 J	0.0050 J	<0.33	NA	<0.33	NA	4.5 [8.1]	NA	0.056 J	<0.33	0.0040 J	0.0030 J
Total PAHs	- -	7.6 J	2.5 J	1.6 J	2.2 J	4.7 J	3.6 J	0.15 J	NA	<0.33	NA	34 J [53 J]	NA	7.7 J	10 J	0.61 J	0.025 J
Total SVOCs	- -	7.6 J	2.5 J	1.6 J	2.2 J	4.7 J	3.6 J	0.15 J	NA	<0.33	NA	34 J [53 J]	NA	7.7 J	10 J	0.61 J	0.025 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-34									SB-35						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	48 - 50	2 - 4	6 - 8	16 - 18	18 - 20	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/06/00	03/07/00	03/06/00	03/07/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00	03/08/00
Soil Removed at Sample Location:																	
Soil Stabilized at Sample Location :																	
Detected Pesticides																	
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																	
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	4.80	44.4	28.3	1.38	1.55	1.19	0.650	0.600	NA	0.550	4.35 [18.7]	0.680	0.670	0.590	0.690	0.680
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																	
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-36								SB-37							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	18 - 20	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00
Soil Removed at Sample Location:		X															
Soil Stabilized at Sample Location :			X	X	X	X											
Detected PCBs																	
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																	
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0050	0.00090 J [0.0010 J]	<0.0050 J [0.17 J]	0.19 J	0.059 J	0.068	0.12	0.12	0.0010 J	<0.0050 J	<0.0050	0.00050 J	<1.0	0.016	0.0030 J	0.060
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0050	<0.0050 [<0.0050]	<0.0050 J [0.36 J]	0.34 J	0.64 J	0.041	0.0020 J	<0.0050	<0.0050	<0.0050 J	<0.0050	<0.0050	3.2	0.024	0.0020 J	0.00060 J
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.40 J	1.0 J [0.40 J]	2,800 [530]	760	0.36 J	2.8	0.24 J	0.11 J	<0.33	0.012 JB	0.31 JB	0.34 JB	690 B	40 B	0.079 JB	0.45 B
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.00030 J	0.00050 J [0.00080 J]	0.14 J [0.41 J]	0.24 J	1.2 J	0.041	0.0020 J	<0.0050	0.0030 J	0.00060 J	<0.0050	0.0010 J	1.7 J	0.012	0.0030 J	0.0020 J
Xylenes (total)	1,000	<0.0050	<0.0050 [<0.0050]	2.3 J [11 J]	12	13	0.23	0.018	0.0020 J	0.00030 J	0.00050 J	<0.0050	0.0020 J	34	0.14	0.018	0.0070
Total BTEX	- -	0.00030 J	0.0014 J [0.0018 J]	2.4 J [12 J]	13 J	15 J	0.38	0.14 J	0.12 J	0.0043 J	0.0011 J	<0.0050	0.0035 J	39 J	0.19	0.026 J	0.070 J
Total VOCs	- -	0.00030 J	0.0014 J [0.0018 J]	2.4 J [12 J]	13 J	15 J	0.38	0.14 J	0.12 J	0.0043 J	0.0011 J	<0.0050	0.0035 J	39 J	0.19	0.026 J	0.070 J
Detected SVOCs																	
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.070 J	<0.33 J [<0.33 J]	670 [140]	160 J	0.088 J	0.041 J	0.028 J	0.022 J	<0.33	<0.33	0.25 J	1.4	160	<0.33	0.0080 J	0.098 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.33	6.2 J [4.3 J]	32 J [6.8 J]	8.0 J	<0.33	<0.33	<0.33	<0.33	<0.33	0.0080 J	0.18 J	0.21 J	9.3 J	<0.33	<0.33	0.0060 J
Acenaphthylene	1,000	0.052 J	21 J [7.2 J]	140 J [31 J]	51 J	0.072 J	0.0090 J	<0.33	<0.33	<0.33	<0.33	0.097 J	0.54	89 J	<0.33	<0.33	0.039 J
Anthracene	1,000	0.015 J	49 J [29 J]	150 J [32 J]	35 J	0.014 J	0.0070 J	<0.33	<0.33	0.0020 J	0.017 J	0.69	0.17 J	31 J	<0.33	<0.33	0.018 J
Benzo(a)anthracene	11	0.10 J	26 J [14 J]	69 J [12 J]	18 J	<0.33	<0.33	<0.33	<0.33	0.011 J	0.041 J	1.0	0.12 J	19 J	<0.33	<0.33	0.012 J
Benzo(a)pyrene	1.1	0.087 J	18 J [9.0 J]	53 J [7.9 J]	12 J	<0.33	<0.33	<0.33	<0.33	0.010 J	0.034 J	0.81	0.079 J	13 J	<0.33	<0.33	0.0090 J
Benzo(b)fluoranthene	11	0.13 J	18 J [8.4 J]	38 J [5.4 J]	10 J	<0.33	<0.33	<0.33	<0.33	0.013 J	0.038 J	0.70	0.077 J	8.8 J	<0.33	<0.33	0.0090 J
Benzo(g,h,i)perylene	1,000	0.084 J	8.1 J [4.3 J]	28 J [4.4 J]	6.3 J	<0.33	<0.33	<0.33	<0.33	0.0060 J	0.017 J	0.32 J	0.033 J	5.4 J	<0.33	<0.33	0.0040 J
Benzo(k)fluoranthene	110	0.10 J	17 J [9.1 J]	82 J [12 J]	17 J	<0.33	<0.33	<0.33	<0.33	0.011 J	0.033 J	0.83	0.091 J	15 J	<0.33	<0.33	0.0090 J
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.14 J	23 J [12 J]	56 J [9.7 J]	15 J	<0.33	<0.33	<0.33	<0.33	0.013 J	0.046 J	0.98	0.11 J	16 J	<0.33	<0.33	0.014 J
Dibenzo(a,h)anthracene	1.1	0.026 J	3.0 J [1.4 J]	<0.33 [<0.33]	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.0070 J	0.11 J	0.014 J	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.072 J	79 J [40 J]	230 J [45 J]	56 J	0.022 J	0.010 J	0.0090 J	0.0070 J	0.025 J	0.11 J	2.6	0.41 J	47 J	<0.33	<0.33	0.040 J
Fluorene	1,000	0.0090 J	72 J [38 J]	240 J [51 J]	57 J	0.020 J	0.010 J	<0.33	<0.33	<0.33	0.0070 J	0.54	0.98	53 J	<0.33	<0.33	0.028 J
Indeno(1,2,3-cd)pyrene	11	0.076 J	8.5 J [4.6 J]	29 J [4.4 J]	6.3 J	<0.33	<0.33	<0.33	<0.33	0.0050 J	0.015 J	0.33 J	0.036 J	6.6 J	<0.33	<0.33	0.0040 J
Naphthalene	1,000	0.40 J	1.0 J [0.40 J]	2,800 [530]	760	0.36 J	2.8	0.24 J	0.11 J	<0.33	0.012 JB	0.31 JB	0.34 JB	690 B	40 B	0.079 JB	0.45 B
Phenanthrene	1,000	0.036 J	130 J [76 J]	400 J [78 J]	93 J	0.039 J	0.023 J	0.016 J	0.011 J	0.010 J	0.070 J	1.8	0.79	100	<0.33	0.0060 J	0.062 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.15 J	54 J [42 J]	130 J [27 J]	33 J	0.014 J	0.0080 J	0.0070 J	<0.33	0.018 J	0.072 J	1.9	0.25 J	50 J	<0.33	<0.33	0.022 J
Total PAHs	- -	1.6 J	530 J [300 J]	5,200 J [1,000 J]	1,300 J	0.63 J	2.9 J	0.30 J	0.15 J	0.12 J	0.53 J	13 J	5.7 J	1,300 J	40	0.093 J	0.82 J
Total SVOCs	- -	1.6 J	530 J [300 J]	5,200 J [1,000 J]	1,300 J	0.63 J	2.9 J	0.30 J	0.15 J	0.12 J	0.53 J	13 J	5.7 J	1,300 J	40	0.093 J	0.82 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-36								SB-37							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	18 - 20	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/15/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00
Soil Removed at Sample Location:		X															
Soil Stabilized at Sample Location :			X	X	X	X											
Detected Pesticides																	
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																	
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	NA	NA	1.90 [3.50]	0.590	1.10	0.530	0.600	0.600	0.500	0.550	1.34	1.30	1.58	0.560	0.620	0.560
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																	
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-38								SB-39						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00
Soil Removed at Sample Location:		X								X						
Soil Stabilized at Sample Location :			X	X	X	X					X	X	X			
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0086	<0.011	<0.0087	<0.70	<0.80	0.0067 J	<0.0057	0.053	<0.0050 J	NA	0.00040 J	0.0010 J	0.027	0.025	0.0020 J
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0086	<0.011	<0.0087	<0.70	0.78 J	0.042	<0.0057	<0.0064	<0.0050 J	NA	0.0090	0.012	0.031	<0.0050	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	1.6	0.084 J	0.24 J	9.6 E	360 E	12 E	0.11 J	0.088 J	<0.33	NA	22 B	4.3 B	10 B	0.15 JB	0.034 JB
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	<0.0086	<0.011	<0.0087	<0.70	0.47 J	0.060	<0.0057	0.0029 J	0.00030 J	NA	0.0010 J	0.0040 J	0.097	0.00070 J	0.00040 J
Xylenes (total)	1,000	<0.0086	<0.011	<0.0087	<0.70	12	0.53	<0.0057	<0.0064	0.00050 J	NA	0.065	0.083	0.40	0.0050 J	0.00090 J
Total BTEX	- -	<0.0086	<0.011	<0.0087	<0.70	13 J	0.64 J	<0.0057	0.056 J	0.00080 J	NA	0.075 J	0.10 J	0.56	0.031 J	0.0033 J
Total VOCs	- -	<0.0086	<0.011	<0.0087	<0.70	13 J	0.64 J	<0.0057	0.056 J	0.00080 J	NA	0.075 J	0.10 J	0.56	0.031 J	0.0033 J
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.37 J	<0.77 J	0.30 J	19 E	130 E	0.79	<0.37	<0.40	<0.33 J	NA	4.6 J	1.4	0.42 J	0.031 J	0.0090 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.13 J	<0.77 J	0.038 J	3.5	5.2 E	0.032 J	<0.37	<0.40	<0.33 J	NA	0.15 J	0.082 J	<0.33	<0.33	<0.33
Acenaphthylene	1,000	1.6	<0.77 J	0.10 J	0.42 J	32 E	0.33 J	<0.37	<0.40	0.0090 J	NA	0.78 J	0.32 J	0.096 J	0.014 J	0.0040 J
Anthracene	1,000	1.0	<0.77 J	0.51	21 E	19 E	0.096 J	<0.37	<0.40	<0.33 J	NA	0.22 J	0.084 J	0.024 J	0.0080 J	<0.33
Benzo(a)anthracene	11	5.9 E	0.31 J	0.59	14 E	12 E	0.077 J	<0.37	<0.40	0.010 J	NA	0.45 J	<0.33	<0.33	0.0050 J	<0.33
Benzo(a)pyrene	1.1	5.1 E	0.23 J	0.087 J	10 E	7.7 E	0.52	<0.37	<0.40	0.012 J	NA	0.43 J	<0.33	<0.33	0.0040 J	<0.33
Benzo(b)fluoranthene	11	6.6 E	0.20 J	0.087 J	12 E	10 E	0.40 J	<0.37	<0.40	0.015 J	NA	0.30 J	<0.33	<0.33	0.0050 J	<0.33
Benzo(g,h,i)perylene	1,000	2.9	<0.77 J	<0.47	4.0 E	3.0	0.16 J	<0.37	<0.40	0.011 J	NA	0.23 J	<0.33	<0.33	<0.33	<0.33
Benzo(k)fluoranthene	110	4.1 E	0.22 J	0.10 J	7.1 E	4.1 E	0.41	<0.37	<0.40	0.010 J	NA	0.44 J	<0.33	<0.33	0.0040 J	<0.33
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	5.2 E	0.29 J	0.43 J	11 E	8.8 E	0.066 J	<0.37	<0.40	0.013 J	NA	0.46 J	<0.33	<0.33	0.0060 J	<0.33
Dibenzo(a,h)anthracene	1.1	1.1	<0.77 J	<0.47	1.7	1.8	0.060 J	<0.37	<0.40	<0.33 J	NA	0.085 J	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	14 E	0.58 J	1.4	41 E	31 E	0.11 J	<0.37	<0.40	<0.33 J	NA	0.91 J	<0.33	0.038 J	0.015 J	<0.33
Fluorene	1,000	0.40 J	<0.77 J	0.31 J	22 E	29 E	0.17 J	<0.37	<0.40	<0.33 J	NA	0.60 J	0.33 J	0.041 J	0.013 J	<0.33
Indeno(1,2,3-cd)pyrene	11	3.1	0.16 J	<0.47	4.5 E	3.6	0.17 J	<0.37	<0.40	0.011 J	NA	0.25 J	<0.33	<0.33	<0.33	<0.33
Naphthalene	1,000	1.6	0.084 J	0.24 J	9.6 E	360 E	12 E	0.11 J	0.088 J	<0.33	NA	22 B	4.3 B	10 B	0.15 JB	0.034 JB
Phenanthrene	1,000	3.6	<0.77 J	1.4	52 E	49 E	0.28 J	<0.37	<0.40	<0.33 J	NA	0.70 J	0.57 J	0.081 J	0.026 J	0.0070 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	9.2 E	0.54 J	1.1	22 E	20 E	0.095 J	<0.37	<0.40	0.0080 J	NA	0.73 J	<0.33	<0.33	0.0090 J	<0.33
Total PAHs	- -	66 J	2.6 J	6.7 J	260 J	730	16 J	0.11 J	0.088 J	0.099 J	NA	33 J	7.1 J	11 J	0.29 J	0.054 J
Total SVOCs	- -	66 J	2.6 J	6.7 J	260 J	730	16 J	0.11 J	0.088 J	0.099 J	NA	33 J	7.1 J	11 J	0.29 J	0.054 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-38								SB-39						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/13/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00	03/09/00
Soil Removed at Sample Location:		X								X						
Soil Stabilized at Sample Location :			X	X	X	X					X	X	X			
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	NA	NA	NA	NA	NA	NA	<0.530	<0.540	1.32 J	36.5 J	0.640	0.730	0.630	0.630	0.600
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-40						SB-41							SB-42						
Sample Depth(Feet):	Industrial	2 - 4	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/21/00	03/21/00	03/21/00	03/21/00	03/21/00	03/21/00	03/21/00
Soil Removed at Sample Location:		X													X						
Soil Stabilized at Sample Location :			X	X												X	X	X			
Detected PCBs																					
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																					
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0068	<0.0069	0.0031 J	0.024	0.0024 J	<0.0057	<0.0069	<0.011 J	<0.0075	0.0019 J	0.021 J	0.067	0.0021 J	<0.0054	<0.011	<0.025	<2.2	0.068	0.0028 J	<0.0052
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0068	<0.0069	0.028	0.061	0.0028 J	<0.0057	<0.0069	<0.011 J	0.0027 J	0.0068 J	0.025 J	0.033	<0.0057	<0.0054	0.16	0.29	<2.2	0.15	0.0020 J	<0.0052
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.76	<0.46	2.3	6.8	0.45	0.36 J	0.60 J	<0.71 J	0.040 J	0.21 J	6.5	1.8	0.098 J	0.053 J	4.9	2.3	4.5 E	8.2 E	2.8	0.037 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.021	0.0022 J	0.0087	0.046	0.0076	0.0031 J	0.0017 J	<0.011 J	<0.0075	0.0028 J	0.031	0.023	0.0013 J	<0.0054	0.066	0.11	<2.2	0.30	0.0020 J	0.0015 J
Xylenes (total)	1,000	0.0015 J	0.0020 J	0.10	0.33	0.041	0.014	<0.0069	<0.011 J	0.0047 J	0.016	0.16	0.18	0.0023 J	<0.0054	1.0	1.8	<2.2	1.6	0.010	0.0039 J
Total BTEX	- -	0.023 J	0.0042 J	0.14 J	0.46	0.054 J	0.017 J	0.0017 J	<0.011	0.0074 J	0.028 J	0.24 J	0.30	0.0057 J	<0.0054	1.2	2.2	<2.2	2.1	0.017 J	0.0054 J
Total VOCs	- -	0.023 J	0.0042 J	0.14 J	0.46	0.054 J	0.017 J	0.0017 J	<0.011	0.0074 J	0.028 J	0.24 J	0.30	0.0057 J	<0.0054	1.2	2.2	<2.2	2.1	0.017 J	0.0054 J
Detected SVOCs																					
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.17 J	<0.46	0.95	<1.6	0.068 J	0.085 J	0.41 J	<0.71 J	<0.49	0.12 J	<1.0	0.028 J	<0.39	0.065 J	1.8	0.83	16 E	0.50	0.32 J	<0.39
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	<0.42	0.24 J	0.064 J	<1.6	<0.39	<0.38	0.12 J	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	<0.70	0.082 J	1.6	<0.38	0.029 J	<0.39
Acenaphthylene	1,000	<0.42	<0.46	0.37 J	<1.6	0.024 J	0.026 J	<2.2	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	0.017 J	0.41 J	0.25 J	11 E	0.20 J	0.17 J	<0.39
Anthracene	1,000	<0.42	0.22 J	0.034 J	<1.6	<0.39	<0.38	2.0 J	<0.71 J	0.079 J	<0.48	<1.0	<0.38	<0.39	<0.36	0.34 J	0.21 J	5.8 E	0.029 J	0.086 J	<0.39
Benzo(a)anthracene	11	0.45	0.093 J	<0.51	<1.6	<0.39	<0.38	7.6	<0.71 J	<0.49	0.029 J	<1.0	0.021 J	<0.39	<0.36	0.22 J	0.34 J	4.1 E	0.033 J	0.056 J	<0.39
Benzo(a)pyrene	1.1	0.15 J	<0.46	<0.51	<1.6	<0.39	<0.38	5.7	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	0.14 J	0.38 J	2.7	0.032 J	0.043 J	<0.39
Benzo(b)fluoranthene	11	0.90	<0.46	<0.51	<1.6	<0.39	<0.38	6.4	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	0.14 J	0.33 J	2.2	0.037 J	0.040 J	<0.39
Benzo(g,h,i)perylene	1,000	0.47	<0.46	<0.51	<1.6	<0.39	<0.38	2.6	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	0.053 J	0.31 J	1.1	<0.38	0.027 J	<0.39
Benzo(k)fluoranthene	110	1.0	0.064 J	<0.51	<1.6	<0.39	<0.38	5.2	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	0.13 J	0.30 J	2.6	0.023 J	0.045 J	<0.39
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.72	0.11 J	<0.51	<1.6	<0.39	<0.38	7.5	<0.71 J	<0.49	0.028 J	<1.0	0.023 J	<0.39	<0.36	0.24 J	0.42 J	3.3	0.026 J	0.046 J	<0.39
Dibenzo(a,h)anthracene	1.1	0.24 J	<0.46	<0.51	<1.6	<0.39	<0.38	0.93 J	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	<0.70	0.10 J	0.49	<0.38	<0.40	<0.39
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.12 J	0.35 J	<0.51	<1.6	<0.39	0.018 J	14	0.048 J	0.51	0.048 J	<1.0	0.045 J	<0.39	<0.36	0.72	0.76	9.9 E	0.051 J	0.14 J	<0.39
Fluorene	1,000	<0.42	0.28 J	0.34 J	<1.6	<0.39	0.023 J	0.22 J	<0.71 J	0.043 J	0.031 J	<1.0	<0.38	<0.39	<0.36	0.38 J	0.24 J	8.7 E	0.042 J	0.12 J	<0.39
Indeno(1,2,3-cd)pyrene	11	0.60	<0.46	<0.51	<1.6	<0.39	<0.38	2.8	<0.71 J	<0.49	<0.48	<1.0	<0.38	<0.39	<0.36	0.051 J	0.25 J	1.3	<0.38	0.030 J	<0.39
Naphthalene	1,000	0.76	<0.46	2.3	6.8	0.45	0.36 J	0.60 J	<0.71 J	0.040 J	0.21 J	6.5	1.8	0.098 J	0.053 J	4.9	2.3	4.5 E	8.2 E	2.8	0.037 J
Phenanthrene	1,000	0.11 J	<0.46	0.20 J	<1.6	0.032 J	0.046 J	7.2	<0.71 J	0.16 J	0.074 J	<1.0	0.030 J	<0.39	<0.36	1.5	1.0	18 E	0.092 J	0.23 J	<0.39
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.082 J	0.24 J	<0.51	<1.6	0.018 J	<0.38	13	0.038 J	0.39 J	0.048 J	<1.0	0.040 J	<0.39	<0.36	0.47 J	0.70 J	6.8 E	0.029 J	0.091 J	<0.39
Total PAHs	- -	5.8 J	1.6 J	4.3 J	6.8	0.59 J	0.56 J	76 J	0.086 J	1.2 J	0.59 J	6.5	2.0 J	0.098 J	0.14 J	12 J	8.8 J	100	9.3 J	4.3 J	0.037 J
Total SVOCs	- -	5.8 J	1.6 J	4.3 J	6.8	0.59 J	0.56 J	76 J	0.086 J	1.2 J	0.59 J	6.5	2.0 J	0.098 J	0.14 J	12 J	8.8 J	100	9.3 J	4.3 J	0.037 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-40						SB-41							SB-42						
Sample Depth(Feet):	Industrial	2 - 4	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/21/00	03/21/00	03/21/00	03/21/00	03/21/00	03/21/00	03/21/00
Soil Removed at Sample Location:		X													X						
Soil Stabilized at Sample Location :			X	X												X	X	X			
Detected Pesticides																					
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																					
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	1.90 N	<0.710	<0.760 N	<0.510 N	<0.460 N	<0.510 N	12.9	101	3.00	6.30	<0.530	<0.520	<0.490	<0.520	9.30	120	2.20	<0.580	<0.600	<0.520
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																					
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-43							SB-44						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/24/00	03/24/00	03/24/00	03/24/00	03/24/00	03/24/00	03/24/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00
Soil Removed at Sample Location:															
Soil Stabilized at Sample Location :															
Detected PCBs															
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs															
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0054	<0.013	0.0094	<0.014 J	<0.028 [0.013 J]	<0.0062	<0.0061	<0.0060	0.0019 J	0.0045 J	0.24 J	0.035	<0.0058	<0.0061
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0054	0.0029 J	0.20	<0.014 J	0.021 J [0.026]	<0.0062	<0.0061	<0.0060	0.041	0.081	0.53 J	0.13	<0.0058	<0.0061
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.44 J	1.4	2.5	9.7	10 [7.8]	0.52	0.80	0.77 J	1.0	4.8	17	7.6	0.26 J	0.57 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0034 J	0.0078 J	0.022	<0.014 J	0.045 [0.080]	0.0017 J	<0.0061	0.0023 J	<0.0086	0.033	2.4	0.082	<0.0058	0.0044 J
Xylenes (total)	1,000	<0.0054	0.061	0.16	0.064 J	0.28 [0.33]	<0.0062	<0.0061	<0.0060	0.020	0.22	5.0	0.50	<0.0058	0.0081
Total BTEX	- -	0.0034 J	0.072 J	0.39	0.064 J	0.35 J [0.45 J]	0.0017 J	<0.0061	0.0023 J	0.063 J	0.34 J	8.2 J	0.75	<0.0058	0.013 J
Total VOCs	- -	0.0034 J	0.072 J	0.39	0.064 J	0.35 J [0.45 J]	0.0017 J	<0.0061	0.0023 J	0.063 J	0.34 J	8.2 J	0.75	<0.0058	0.013 J
Detected SVOCs															
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.19 J	0.20 J	0.84	2.5	0.73 J [0.51 J]	0.063 J	0.10 J	0.42 J	0.15 J	0.95	5.7	2.9	0.074 J	0.14 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.49 J	4.0	0.32 J	0.12 J	<2.0 [<1.3]	<0.41	<0.39	1.6 J	0.053 J	0.14 J	0.52 J	0.26 J	<0.38	<0.59
Acenaphthylene	1,000	<1.2	<0.82	0.31 J	1.0 J	0.26 J [0.18 J]	0.022 J	0.061 J	0.40 J	0.066 J	0.43 J	2.7 J	1.4 J	0.028 J	0.057 J
Anthracene	1,000	1.5	2.9	1.5	0.16 J	<2.0 [0.089 J]	0.054 J	0.040 J	3.0	0.14 J	0.071 J	0.67 J	0.63 J	0.032 J	0.074 J
Benzo(a)anthracene	11	2.4	2.6	0.79	0.34 J	<2.0 [<1.3]	<0.41	0.043 J	9.9	0.35 J	0.21 J	<2.8	0.23 J	0.019 J	0.054 J
Benzo(a)pyrene	1.1	2.1	2.2	0.59 J	0.33 J	<2.0 [<1.3]	<0.41	0.034 J	9.9	0.39 J	0.18 J	<2.8	0.17 J	<0.38	0.041 J
Benzo(b)fluoranthene	11	1.6	1.7	0.43 J	0.24 J	<2.0 [<1.3]	<0.41	0.032 J	7.6	0.32 J	0.16 J	<2.8	0.13 J	<0.38	0.034 J
Benzo(g,h,i)perylene	1,000	1.3	1.0	0.24 J	0.16 J	<2.0 [<1.3]	<0.41	0.019 J	5.7	0.29 J	0.11 J	<2.8	<1.8	<0.38	<0.59
Benzo(k)fluoranthene	110	2.0	2.4	0.63 J	0.34 J	<2.0 [<1.3]	<0.41	0.033 J	11	0.42 J	0.17 J	<2.8	0.18 J	<0.38	0.049 J
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	2.3	2.3	0.73	0.29 J	<2.0 [<1.3]	<0.41	0.040 J	9.7	0.41 J	0.22 J	<2.8	0.20 J	<0.38	0.050 J
Dibenzo(a,h)anthracene	1.1	0.39 J	0.36 J	0.11 J	<1.8	<2.0 [<1.3]	<0.41	<0.39	2.2	0.11 J	<0.94	<2.8	<1.8	<0.38	<0.59
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	4.6	6.3	2.6	0.31 J	<2.0 [<1.3]	0.031 J	0.094 J	14	0.60	0.32 J	0.55 J	0.70 J	0.047 J	0.13 J
Fluorene	1,000	0.64 J	3.3	0.88	0.50 J	0.16 J [<1.3]	<0.41	0.052 J	1.2 J	0.066 J	0.32 J	1.8 J	1.3 J	0.048 J	0.10 J
Indeno(1,2,3-cd)pyrene	11	1.2	1.2	0.26 J	0.18 J	<2.0 [<1.3]	<0.41	0.020 J	5.7	0.27 J	0.11 J	<2.8	0.085 J	<0.38	<0.59
Naphthalene	1,000	0.44 J	1.4	2.5	9.7	10 [7.8]	0.52	0.80	0.77 J	1.0	4.8	17	7.6	0.26 J	0.57 J
Phenanthrene	1,000	5.2	1.2	3.9	0.48 J	0.16 J [0.085 J]	0.051 J	0.14 J	10 J	0.53 J	0.25 J	2.2 J	2.0 J	0.11 J	0.26 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	3.9	4.6	2.2	0.18 J	<2.0 [<1.3]	0.025 J	0.074 J	14	0.62	0.27 J	0.36 J	0.41 J	0.038 J	0.095 J
Total PAHs	- -	30 J	38 J	19 J	17 J	11 J [8.7 J]	0.77 J	1.6 J	110 J	5.8 J	8.7 J	32 J	18 J	0.66 J	1.7 J
Total SVOCs	- -	30 J	38 J	19 J	17 J	11 J [8.7 J]	0.77 J	1.6 J	110 J	5.8 J	8.7 J	32 J	18 J	0.66 J	1.7 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-43							SB-44						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/24/00	03/24/00	03/24/00	03/24/00	03/24/00	03/24/00	03/24/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00
Soil Removed at Sample Location:															
Soil Stabilized at Sample Location :															
Detected Pesticides															
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics															
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	<0.490 N	<0.580 N	<0.710 N	1.60 N	<0.560 N [<0.540]	<0.560 N	<57.0 NR	9.50	22.2	12.8	<0.610	<0.560	<0.570	<0.810
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous															
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-45							SB-46							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00
Soil Removed at Sample Location:																
Soil Stabilized at Sample Location :																
Detected PCBs																
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	0.0017 J	<0.010 J	<0.040	0.0031 J	0.016	0.011 [<0.0058]	0.0014 J	<0.0098	<0.014 J	<0.0067	<0.024	0.75	<0.60	0.0014 J	0.0014 J
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0060	<0.010 J	0.25	0.070	0.036	0.0022 J [<0.0058]	<0.0059	<0.0098	0.0031 J	0.0019 J	0.10	0.29 J	0.25 J	<0.0058	<0.0058
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.28 J	6.0	2.3	<0.47	5.5	2.4 [0.23 J]	0.054 J	NA	NA	0.17 J	0.73	3.7	4.8	0.026 J	0.066 J
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0027 J	<0.010 J	0.073	0.028	0.020	0.0034 J [<0.0058]	0.0020 J	<0.0098	0.0046 J	<0.0067	0.030	3.8	0.15 J	0.0020 J	0.0015 J
Xylenes (total)	1,000	<0.0060	<0.010 J	0.96	0.37	0.13	0.014 [<0.0058]	<0.0059	<0.0098	0.062	0.011	0.32	4.2	1.2	<0.0058	<0.0058
Total BTEX	- -	0.0044 J	<0.010	1.3	0.47 J	0.20	0.031 J [<0.0058]	0.0034 J	<0.0098	0.070 J	0.013 J	0.45	9.0 J	1.6 J	0.0034 J	0.0029 J
Total VOCs	- -	0.0044 J	<0.010	1.3	0.47 J	0.20	0.031 J [<0.0058]	0.0034 J	<0.0098	0.070 J	0.013 J	0.45	9.0 J	1.6 J	0.0034 J	0.0029 J
Detected SVOCs																
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.11 J	2.2	0.96	<0.47	<0.77	0.046 J [<0.38]	<0.38	NA	NA	0.052 J	0.16 J	0.028 J	0.042 J	<0.38	<0.38
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.088 J	0.11 J	0.057 J	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.032 J	<0.51	<0.76	<0.38	<0.38
Acenaphthylene	1,000	0.061 J	0.77 J	0.16 J	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.079 J	<0.51	<0.76	<0.38	<0.38
Anthracene	1,000	0.44	0.075 J	0.39 J	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.051 J	<0.51	<0.76	<0.38	<0.38
Benzo(a)anthracene	11	1.8	0.14 J	2.4	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.12 J	<0.51	<0.76	<0.38	<0.38
Benzo(a)pyrene	1.1	0.94	0.058 J	2.3	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.10 J	<0.51	<0.76	<0.38	<0.38
Benzo(b)fluoranthene	11	1.5	0.099 J	1.7	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.092 J	<0.51	<0.76	<0.38	<0.38
Benzo(g,h,i)perylene	1,000	NA	NA	0.94	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.046 J	<0.51	<0.76	<0.38	<0.38
Benzo(k)fluoranthene	110	1.8	0.12 J	2.2	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.080 J	<0.51	<0.76	<0.38	<0.38
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	1.7	0.12 J	2.2	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.12 J	<0.51	<0.76	<0.38	<0.38
Dibenzo(a,h)anthracene	1.1	0.93	0.058 J	0.36 J	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	<0.44	<0.51	<0.76	<0.38	<0.38
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	2.9	0.21 J	2.5	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	0.050 J	0.21 J	<0.51	<0.76	<0.38	<0.38
Fluorene	1,000	0.15 J	0.34 J	0.075 J	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	0.034 J	0.094 J	<0.51	<0.76	<0.38	<0.38
Indeno(1,2,3-cd)pyrene	11	0.36 J	<0.89	1.1	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	<0.46	0.046 J	<0.51	<0.76	<0.38	<0.38
Naphthalene	1,000	0.28 J	6.0	2.3	<0.47	5.5	2.4 [0.23 J]	0.054 J	NA	NA	0.17 J	0.73	3.7	4.8	0.026 J	0.066 J
Phenanthrene	1,000	1.5	0.23 J	1.3	<0.47	<0.77	0.031 J [<0.38]	<0.38	NA	NA	0.093 J	0.26 J	<0.51	<0.76	<0.38	<0.38
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	2.7	0.21 J	2.4	<0.47	<0.77	<0.38 [<0.38]	<0.38	NA	NA	0.047 J	0.18 J	<0.51	<0.76	<0.38	<0.38
Total PAHs	- -	17 J	11 J	23 J	<0.47	5.5	2.5 J [0.23 J]	0.054 J	NA	NA	0.45 J	2.4 J	3.7 J	4.8 J	0.026 J	0.066 J
Total SVOCs	- -	17 J	11 J	23 J	<0.47	5.5	2.5 J [0.23 J]	0.054 J	NA	NA	0.45 J	2.4 J	3.7 J	4.8 J	0.026 J	0.066 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-45							SB-46							
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00	03/27/00
Soil Removed at Sample Location:																
Soil Stabilized at Sample Location :																
Detected Pesticides																
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	<0.570	3.80	<0.740	4.30	<0.560	<0.560 [<0.540]	<0.570	2.20 JN	82.7 N	1.50 N	1.10	<0.740	<0.570	<0.540	<0.550
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-47							SB-48						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00
Soil Removed at Sample Location:		X							X						
Soil Stabilized at Sample Location :			X	X	X					X	X	X			
Detected PCBs															
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs															
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0053	<0.0056	<0.0068	<0.76	<0.63 [<0.60]	0.012	<0.0062	0.0013 J	0.0016 J	<0.034	0.022 J	0.0098 J	0.011	<0.0060
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0053	<0.0056	<0.0068	<0.76	0.15 [0.12]	<0.0058	<0.0062	<0.0065	0.011	<0.034	1.2	0.039	0.013	<0.0060
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.10 J	<0.37	0.15 J	3.4	6.3 [8.5]	2.0	0.077 J	0.14 J	17 J	29	36	NA	NA	NA
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0012 J	<0.0056	0.0022 J	<0.76	0.16 [0.19]	0.0011 J	<0.0062	0.028	0.0017 J	0.044	1.4	0.089	0.0055 J	0.017
Xylenes (total)	1,000	<0.0053	<0.0056	<0.0068	0.48 J	2.5 [1.8]	<0.0058	<0.0062	0.0035 J	0.044	0.049	19 E	0.55	0.092	0.0027 J
Total BTEX	- -	0.0012 J	<0.0056	0.0022 J	0.48 J	2.8 [2.1]	0.013 J	<0.0062	0.033 J	0.058 J	0.093	22 J	0.69 J	0.12 J	0.020 J
Total VOCs	- -	0.0012 J	<0.0056	0.0022 J	0.48 J	2.8 [2.1]	0.013 J	<0.0062	0.033 J	0.058 J	0.093	22 J	0.69 J	0.12 J	0.020 J
Detected SVOCs															
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.020 J	<0.37	0.028 J	0.90	0.076 J [<1.4]	0.097 J	<0.39	0.16 J	31 J	8.2	2.0 J	NA	NA	NA
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.044 J	<0.37	0.030 J	0.076 J	<1.1 [<1.4]	0.018 J	<0.39	0.024 J	11 J	0.53 J	<6.8	NA	NA	NA
Acenaphthylene	1,000	<0.35	<0.37	<0.38	0.38 J	<1.1 [<1.4]	0.027 J	<0.39	0.026 J	23 J	4.7	0.67 J	NA	NA	NA
Anthracene	1,000	0.087 J	<0.37	0.11 J	0.13 J	<1.1 [<1.4]	<0.39	<0.39	0.13 J	110	1.5 J	<6.8	NA	NA	NA
Benzo(a)anthracene	11	0.13 J	0.046 J	0.21 J	0.11 J	<1.1 [<1.4]	<0.39	<0.39	0.68	100	0.55 J	<6.8	NA	NA	NA
Benzo(a)pyrene	1.1	0.10 J	0.040 J	0.16 J	0.075 J	<1.1 [<1.4]	<0.39	<0.39	0.65	84	0.44 J	<6.8	NA	NA	NA
Benzo(b)fluoranthene	11	0.082 J	0.046 J	0.13 J	0.072 J	<1.1 [<1.4]	<0.39	<0.39	0.55	79	0.37 J	<6.8	NA	NA	NA
Benzo(g,h,i)perylene	1,000	0.055 J	<0.37	0.084 J	0.038 J	<1.1 [<1.4]	<0.39	<0.39	0.36 J	40 J	<4.4	<6.8	NA	NA	NA
Benzo(k)fluoranthene	110	0.11 J	0.041 J	0.17 J	0.069 J	<1.1 [<1.4]	<0.39	<0.39	0.70	66	0.40 J	<6.8	NA	NA	NA
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.12 J	0.049 J	0.21 J	0.098 J	<1.1 [<1.4]	<0.39	<0.39	0.61	80	0.41 J	<6.8	NA	NA	NA
Dibenzo(a,h)anthracene	1.1	<0.35	<0.37	0.034 J	<0.45	<1.1 [<1.4]	<0.39	<0.39	0.16 J	17 J	<4.4	<6.8	NA	NA	NA
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.23 J	0.089 J	0.51	0.23 J	<1.1 [<1.4]	0.027 J	<0.39	0.87	230	1.6 J	<6.8	NA	NA	NA
Fluorene	1,000	0.048 J	<0.37	0.041 J	0.32 J	<1.1 [<1.4]	0.023 J	<0.39	0.044 J	96	3.0 J	<6.8	NA	NA	NA
Indeno(1,2,3-cd)pyrene	11	0.057 J	<0.37	0.091 J	0.041 J	<1.1 [<1.4]	<0.39	<0.39	0.38	40 J	<4.4	<6.8	NA	NA	NA
Naphthalene	1,000	0.10 J	<0.37	0.15 J	3.4	6.3 [8.5]	2.0	0.077 J	0.14 J	17 J	29	36	NA	NA	NA
Phenanthrene	1,000	0.30 J	0.038 J	0.17 J	0.54	<1.1 [<1.4]	0.051 J	<0.39	0.60	320	4.9	<6.8	NA	NA	NA
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	0.25 J	0.072 J	0.46	0.19 J	<1.1 [<1.4]	0.031 J	<0.39	0.88	170	0.98 J	<6.8	NA	NA	NA
Total PAHs	- -	1.7 J	0.42 J	2.6 J	6.7 J	6.4 J [8.5]	2.3 J	0.077 J	7.0 J	1,500 J	57 J	39 J	NA	NA	NA
Total SVOCs	- -	1.7 J	0.42 J	2.6 J	6.7 J	6.4 J [8.5]	2.3 J	0.077 J	7.0 J	1,500 J	57 J	39 J	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-47							SB-48						
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	10 - 12	14 - 16	28 - 30	38 - 40	48 - 50	2 - 4	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50
Date Collected:	Use SCOs	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/22/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00	03/23/00
Soil Removed at Sample Location:		X							X						
Soil Stabilized at Sample Location :			X	X	X					X	X	X			
Detected Pesticides															
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics															
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	<0.510	<0.510	12.2	2.70	<0.580 [<0.550]	<0.470	<0.580	3.00	1.80	<0.650	<0.710	<0.570 N	<0.570 N	<0.610 N
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous															
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-49							SB-50								SB-100	SB-101	SB-102
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	- -	0-5	0-5
Date Collected:	Use SCOs	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/21/00	03/21/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	08/27/10	08/24/10	08/27/10
Soil Removed at Sample Location:		X															X	X	X
Soil Stabilized at Sample Location :			X	X	X														
Detected PCBs																			
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.027	<0.022	<0.031
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.027	<0.022	<0.031
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.027	<0.022	<0.031
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.027	<0.022	0.022 Jp
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.027	<0.022	0.022 J
Detected VOCs																			
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.0062	<0.012	<0.017	<0.013	0.26	0.024	<0.0065 [<0.0066]	1.1	<0.0088	<0.69	<0.033	0.48 J	0.045	<0.0058	<0.0058	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.0062	<0.012	0.0046 J	0.16	0.28	0.022	<0.0065 [<0.0066]	<0.62	<0.0088	0.14 J	0.0087 J	0.64 J	0.019	<0.0058	<0.0058	NA	NA	NA
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	0.091 J	0.090 J	0.69	150	6.1 E	2.5	<0.39 [<0.41]	260	0.29 J	3.1	11 E	12 E	0.25 J	0.029 J	0.11 J	NA	NA	NA
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	0.0016 J	<0.012	<0.017	0.0072 J	0.24	0.0071	<0.0065 [<0.0066]	0.92	<0.0088	<0.69	<0.033	1.8	0.086	<0.0058	0.0011 J	NA	NA	NA
Xylenes (total)	1,000	<0.0062	<0.012	0.013 J	0.68	1.9	0.11	<0.0065 [<0.0066]	1.1	<0.0088	1.4	0.047	10	0.28	<0.0058	<0.0058	NA	NA	NA
Total BTEX	- -	0.0016 J	<0.012	0.018 J	0.85 J	2.7	0.16	<0.0065 [<0.0066]	3.1	<0.0088	1.5 J	0.056 J	13 J	0.43	<0.0058	0.0011 J	NA	NA	NA
Total VOCs	- -	0.0016 J	<0.012	0.018 J	0.85 J	2.7	0.16	<0.0065 [<0.0066]	3.1	<0.0088	1.5 J	0.056 J	13 J	0.43	<0.0058	0.0011 J	NA	NA	NA
Detected SVOCs																			
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	0.074 J	0.093 J	0.83	160	0.066 J	0.51	<0.39 [<0.41]	110	0.15 J	2.0	4.8 E	0.051 J	<0.38	<0.38	0.021 J	NA	NA	NA
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.090 J	<0.71	0.090 J	7.3 J	<0.40	0.034 J	<0.39 [<0.41]	25 J	0.049 J	0.39 J	2.1	<0.52	<0.38	<0.38	<0.39	NA	NA	NA
Acenaphthylene	1,000	0.020 J	<0.71	0.25 J	76	0.042 J	0.25 J	<0.39 [<0.41]	140 J	0.19 J	0.76 J	2.9 J	<0.52	<0.38	<0.38	<0.39	NA	NA	NA
Anthracene	1,000	0.22 J	<0.71	0.55	25	0.018 J	0.13 J	<0.39 [<0.41]	450 E	0.56	0.90	10 E	<0.52	<0.38	<0.38	0.041 J	NA	NA	NA
Benzo(a)anthracene	11	0.56	<0.71	<0.50	15 J	<0.40	0.089 J	<0.39 [<0.41]	480 E	1.4	1.1	7.0 E	<0.52	<0.38	<0.38	0.047 J	NA	NA	NA
Benzo(a)pyrene	1.1	0.52	<0.71	<0.50	11 J	0.065 J	0.067 J	<0.39 [<0.41]	340	1.3	0.51	5.5 E	<0.52	<0.38	<0.38	0.039 J	NA	NA	NA
Benzo(b)fluoranthene	11	0.53	<0.71	<0.50	7.5 J	0.028 J	0.076 J	<0.39 [<0.41]	330	0.96	0.41 J	5.3 E	<0.52	<0.38	<0.38	0.028 J	NA	NA	NA
Benzo(g,h,i)perylene	1,000	0.34 J	<0.71	<0.50	5.5 J	<0.40	0.033 J	<0.39 [<0.41]	130	0.70	0.17 J	2.1	<0.52	<0.38	<0.38	<0.39	NA	NA	NA
Benzo(k)fluoranthene	110	0.49	<0.71	<0.50	12 J	0.061 J	0.060 J	<0.39 [<0.41]	320	1.6	0.69	5.5 E	<0.52	<0.38	<0.38	0.042 J	NA	NA	NA
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	0.59	<0.71	<0.50	13 J	<0.40	0.076 J	<0.39 [<0.41]	400 E	1.3	0.88	5.9 E	<0.52	<0.38	<0.38	0.042 J	NA	NA	NA
Dibenzo(a,h)anthracene	1.1	0.12 J	<0.71	<0.50	2.1	<0.40	<0.38	<0.39 [<0.41]	67	0.26 J	0.070 J	0.82	<0.52	<0.38	<0.38	<0.39	NA	NA	NA
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	1.1	<0.71	0.33 J	35	<0.40	0.22 J	<0.39 [<0.41]	1,100 E	2.0	1.0	27 E	<0.52	<0.38	<0.38	0.11 J	NA	NA	NA
Fluorene	1,000	0.099 J	<0.71	0.92	43	0.016 J	0.18 J	<0.39 [<0.41]	210	0.24 J	1.3	5.9 E	<0.52	<0.38	<0.38	0.029 J	NA	NA	NA
Indeno(1,2,3-cd)pyrene	11	0.32 J	<0.71	<0.50	6.0 J	0.030 J	0.031 J	<0.39 [<0.41]	150	0.70	0.18 J	2.5	<0.52	<0.38	<0.38	0.018 J	NA	NA	NA
Naphthalene	1,000	0.091 J	0.090 J	0.69	150	6.1 E	2.5	<0.39 [<0.41]	260	0.29 J	3.1	11 E	12 E	0.25 J	0.029 J	0.11 J	NA	NA	NA
Phenanthrene	1,000	0.84	<0.71	2.1	84	0.049 J	0.40	<0.39 [<0.41]	13,000 EJ	1.6	3.2 J	7.5 EJ	<0.52	0.017 J	0.021 J	0.12 J	NA	NA	NA
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	1.2	<0.71	0.17 J	33	<0.40	0.14 J	<0.39 [<0.41]	740 E	1.7	0.62	12 E	<0.52	<0.38	<0.38	0.067 J	NA	NA	NA
Total PAHs	- -	7.2 J	0.18 J	5.9 J	690 J	6.5 J	4.8 J	<0.39 [<0.41]	18,000 J	15 J	17 J	120 J	12 J	0.27 J	0.050 J	0.71 J	NA	NA	NA
Total SVOCs	- -	7.2 J	0.18 J	5.9 J	690 J	6.5 J	4.8 J	<0.39 [<0.41]	18,000 J	15 J	17 J	120 J	12 J	0.27 J	0.050 J	0.71 J	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-49							SB-50								SB-100	SB-101	SB-102
Sample Depth(Feet):	Industrial	2 - 4	6 - 8	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	2 - 4	6 - 8	10 - 12	14 - 16	20 - 22	28 - 30	38 - 40	48 - 50	- -	0-5	0-5
Date Collected:	Use SCOs	03/20/00	03/20/00	03/20/00	03/20/00	03/20/00	03/21/00	03/21/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	03/28/00	08/27/10	08/24/10	08/27/10
Soil Removed at Sample Location:		X															X	X	X
Soil Stabilized at Sample Location :			X	X	X														
Detected Pesticides																			
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																			
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	0.980	27.6	1.30	<0.660	<0.510	1.30	<0.530 [<0.620]	6.70	16.6	1.10	1.50	<0.690	<0.580	<0.540	<0.540	22.4	108	49.9
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																			
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370	990	190
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.04 J	<0.32	<0.46
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NonIgnitable	NonIgnitable	NonIgnitable
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.49 HF	7.41 HF	7.35 HF
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,000	479	7,800

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-103	SB-104	SB-105	SB-106	SB-107	SB-108	SB-109	SE-B-1	SE-B-2	SE-EW-1	SE-SW-1	SS-1	SS-3	SS-4	SS-5	SS-6	T1	T2
Sample Depth(Feet):	Industrial	0-5	0-5	0-5	0-5	0-5	0-5	0-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	10 - 15	5 - 10
Date Collected:	Use SCOs	08/25/10	08/24/10	08/25/10	08/25/10	08/25/10	08/25/10	08/23/10	10/02/01	10/02/01	10/02/01	10/02/01	07/18/95	07/18/95	07/18/95	03/31/98	03/31/98	07/01/01	07/01/01
Soil Removed at Sample Location:		X	X	X	X		X								X				
Soil Stabilized at Sample Location :																			
Detected PCBs																			
Aroclor-1242	- -	<0.025	<0.020	<0.019	<0.023	<0.025	<0.022	<0.020	NA	NA	NA	NA	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330
Aroclor-1248	- -	<0.025	<0.020	<0.019	<0.023	<0.025	<0.022	<0.020	NA	NA	NA	NA	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330
Aroclor-1254	- -	<0.025	<0.020	<0.019	<0.023	<0.025	<0.022	<0.020	NA	NA	NA	NA	<0.0330	<0.0330	0.330	<0.0330	<0.0330	<0.0330	<0.0330
Aroclor-1260	- -	<0.025	<0.020	<0.019	<0.023	0.019 J	0.017 Jp	<0.020	NA	NA	NA	NA	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330	<0.0330
Total PCBs	- -	<0.025	<0.020	<0.019	<0.023	0.019 J	0.017 J	<0.020	NA	NA	NA	NA	<0.0670	<0.0670	0.330	<0.0670	<0.0670	<0.0670	<0.0670
Detected VOCs																			
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.041 B	0.091 B	0.063 B	0.020 B	0.025 B	NA	NA
Benzene	89	NA	NA	NA	NA	NA	NA	NA	0.0010 J	0.0088	0.0041	0.0010 J	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Ethylbenzene	780	NA	NA	NA	NA	NA	NA	NA	<0.0058	0.027	<0.0042	<0.0044	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0050 J	0.0080 J	0.0060 J	<0.010	<0.010	NA	NA
Naphthalene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.010	<0.010	<0.010	<0.010	0.00090 J	NA	NA
Toluene	1,000	NA	NA	NA	NA	NA	NA	NA	<0.0073	0.051	0.0062	0.0020 J	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Xylenes (total)	1,000	NA	NA	NA	NA	NA	NA	NA	<0.0073	0.29	0.00090 J	0.00070 J	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Total BTEX	- -	NA	NA	NA	NA	NA	NA	NA	0.0010 J	0.38	0.011 J	0.0037 J	<0.010	<0.010	<0.010	<0.010	<0.010	NA	NA
Total VOCs	- -	NA	NA	NA	NA	NA	NA	NA	0.0010 J	0.38	0.011 J	0.0037 J	0.046 J	0.099 J	0.069 J	0.020	0.026 J	NA	NA
Detected SVOCs																			
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
2-Methylnaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.021 J	0.071 J	0.030 J	0.080 J	0.052 J	NA	NA
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.80	<0.80	<0.80	<0.80	<0.80	NA	NA
Acenaphthene	1,000	NA	NA	NA	NA	NA	NA	NA	0.029 J	12 J	0.14 J	0.023 J	0.046 J	0.15 J	0.068 J	0.14 J	0.063 J	NA	NA
Acenaphthylene	1,000	NA	NA	NA	NA	NA	NA	NA	0.37 J	70	1.1	0.21 J	0.55 J	0.27 J	0.20 J	0.48 J	0.41 J	NA	NA
Anthracene	1,000	NA	NA	NA	NA	NA	NA	NA	0.46 J	90	1.5	0.21 J	0.54 J	0.38 J	0.30 J	0.78 J	0.36 J	NA	NA
Benzo(a)anthracene	11	NA	NA	NA	NA	NA	NA	NA	1.8	150	8.1	0.52	2.1	1.1	1.7	3.1	0.68	NA	NA
Benzo(a)pyrene	1.1	NA	NA	NA	NA	NA	NA	NA	1.5	120	7.4	0.46	2.2	1.1	1.7	3.2	0.78	NA	NA
Benzo(b)fluoranthene	11	NA	NA	NA	NA	NA	NA	NA	1.8	150	10	0.63	3.2	1.4	2.8	4.1	0.86	NA	NA
Benzo(g,h,i)perylene	1,000	NA	NA	NA	NA	NA	NA	NA	0.90	41	2.6	0.24 J	0.18 J	0.10 J	0.18 J	0.064 J	0.024 J	NA	NA
Benzo(k)fluoranthene	110	NA	NA	NA	NA	NA	NA	NA	0.86	66	4.5	0.27	1.6	1.0	1.2	2.5	0.53	NA	NA
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.070 JB	0.22 JB	0.14 JB	0.24 J	0.25 J	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	0.034 J	<0.33	0.12 J	0.036 J	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.15 J	0.27 J	0.16 J	0.24 J	0.079 J	NA	NA
Chrysene	110	NA	NA	NA	NA	NA	NA	NA	1.7	120	7.5	0.46	2.5	1.2	2.1	3.6	0.94	NA	NA
Dibenzo(a,h)anthracene	1.1	NA	NA	NA	NA	NA	NA	NA	0.24	14	0.91	0.067	0.22 J	0.16 J	0.26 J	0.14 J	0.049 J	NA	NA
Dibenzofuran	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.037 J	0.11 J	0.035 J	0.092 J	0.041 J	NA	NA
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	0.13 JB	0.016 JB	<0.33	<0.33	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
Fluoranthene	1,000	NA	NA	NA	NA	NA	NA	NA	3.3	370	13	0.84	4.6	2.5	3.3	5.5	1.3	NA	NA
Fluorene	1,000	NA	NA	NA	NA	NA	NA	NA	0.13 J	54	0.30 J	0.10 J	0.091 J	0.16 J	0.069 J	0.12 J	0.048 J	NA	NA
Indeno(1,2,3-cd)pyrene	11	NA	NA	NA	NA	NA	NA	NA	0.92	50	3.2	0.26	0.48 J	0.38 J	0.60 J	0.35 J	0.12 J	NA	NA
Naphthalene	1,000	NA	NA	NA	NA	NA	NA	NA	0.086 J	74	0.27 J	0.11 J	0.028 J	0.17 J	0.043 J	0.12 J	0.059 J	NA	NA
Phenanthrene	1,000	NA	NA	NA	NA	NA	NA	NA	1.3	250	4.8	0.56	2.0	1.6	1.1	2.6	0.75	NA	NA
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33	<0.33	<0.33	NA	NA
Pyrene	1,000	NA	NA	NA	NA	NA	NA	NA	3.0	250	9.9	0.79	4.1	1.9	3.1	2.9	0.82	NA	NA
Total PAHs	- -	NA	NA	NA	NA	NA	NA	NA	18 J	1,900 J	75 J	5.8 J	25 J	14 J	19 J	30 J	7.9 J	NA	NA
Total SVOCs	- -	NA	NA	NA	NA	NA	NA	NA	18 J	1,900 J	75 J	5.8 J	25 J	15 J	19 J	31 J	8.3 J	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	SB-103	SB-104	SB-105	SB-106	SB-107	SB-108	SB-109	SE-B-1	SE-B-2	SE-EW-1	SE-SW-1	SS-1	SS-3	SS-4	SS-5	SS-6	T1	T2
Sample Depth(Feet):	Industrial	0-5	0-5	0-5	0-5	0-5	0-5	0-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	10 - 15	5 - 10
Date Collected:	Use SCOs	08/25/10	08/24/10	08/25/10	08/25/10	08/25/10	08/25/10	08/23/10	10/02/01	10/02/01	10/02/01	10/02/01	07/18/95	07/18/95	07/18/95	03/31/98	03/31/98	07/01/01	07/01/01
Soil Removed at Sample Location:		X	X	X	X		X								X				
Soil Stabilized at Sample Location :																			
Detected Pesticides																			
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	<0.0033	<0.0033	0.0062 P	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	<0.0033	<0.0033	0.013 P	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	0.023 P	<0.0033	0.064 B	0.028 B	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 JP	<0.0017	<0.0017	<0.0017	<0.0017	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017	<0.0017	0.012 P	0.00053 JP	<0.0017	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	0.0039 J	<0.0033	<0.0033	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	<0.0033	<0.0033	0.0023 JP	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	<0.0033	<0.0033	0.0067 P	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	<0.0033	<0.0033	0.0079 P	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0026 J	0.046 P	0.0020 JP	0.0013 JP	0.00051 JP	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.017	<0.017	<0.017	<0.017	<0.017	NA	NA
Detected Inorganics																			
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,660	9,330	2,330	9,780	2,170	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.80 BN	<8.00	<6.60	<0.980	<1.10	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.40	51.0	7.50	7.10	3.00	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	79.7	64.0	32.6 B	81.1	35.6 B	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.200	<0.240	<0.200	0.540 B	<0.260	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.600	<0.720	0.830 B	0.540 B	0.300 B	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	71,100 E	12,200 E	244,000 E	23,200 E	50,800 E	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.2	11.9	6.40	23.5	9.30	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.30 B	4.20 B	7.10 B	8.90 B	2.60 B	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.3	15.2	17.1	34.8	27.7	NA	NA
Cyanide	10,000	3.45	110	0.256 J	85.6	22.7	4.23	1.36	NA	NA	NA	NA	<0.550	2.70	<1.00	5.01	<0.660	NA	NA
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000 E	12,900 E	10,300 E	21,100	6,640	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.7 E	44.7 E	51.6 E	82.0	69.9	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,100 E	3,540 E	11,400 E	10,800	7,630	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360 EN	385 EN	346 EN	368	135	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.190 N	2.00 N	1.40 N	0.220	0.190	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.0	12.5	19.4	27.0	8.70 B	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,130 E	490 E	702 E	1,720 E	522 BE	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.400	0.410 BN	0.220 BN	2.40	0.940 B	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.400	<0.480	<0.400	0.300 B	<0.260	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146 B	102 B	272	227 B	391 B	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.800	<0.960	<0.810	<0.730	<0.800	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.6 E	17.3 E	7.20 BE	18.9	6.70 B	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	72.9	60.9	55.8	114 E	76.7 E	NA	NA
Detected Miscellaneous																			
Diesel Range Organics [C10-C28]	- -	5,800	300	80	17,000	860	690	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	0.45	<0.29	<0.28	0.076 J	<0.37	<0.33	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	7.32 HF	7.18 HF	8.19 HF	7.28 HF	7.87 HF	8.11 HF	7.76 HF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	632	494	228	6,540	<262	<217	868	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	V-1	V-2	V-3	V-4	V-5	V-6	V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-14-2	V-15	V-16	V-17
Sample Depth(Feet):	Industrial	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	17.5	17.5	17.5	17.5	17.5
Date Collected:	Use SCOs	11/23/01	12/27/01	11/13/01	11/13/01	10/30/01	10/30/01	10/25/01	10/20/01	10/22/01	10/23/01	10/23/01	10/24/01	11/26/01	01/04/02	01/04/02	01/04/02	01/04/02	01/04/02
Soil Removed at Sample Location:																			
Soil Stabilized at Sample Location :																			
Detected PCBs																			
Aroclor-1242	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected VOCs																			
2-Butanone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	89	<0.010	<0.010	<0.0090	<0.0090	<0.010	<0.010	<0.012	<0.011	<0.014	0.0060 J	<0.010	<0.012	<0.012	1.1	1.8	0.076	0.0040 J	<0.0050
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	780	<0.010	<0.010	<0.0090	<0.0090	<0.010	<0.010	<0.012	<0.011	<0.014	<0.012	<0.010	<0.012	<0.012	9.3	2.5	0.16	0.0040 J	<0.0050
Methylene Chloride	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1,000	<0.010	<0.010	<0.0090	<0.0090	0.0020 J	<0.010	0.0030 J	<0.011	<0.014	0.0090 J	0.0030 J	<0.012	<0.012	12	7.7	0.44	0.012	<0.0050
Xylenes (total)	1,000	<0.010	<0.010	<0.0090	<0.0090	<0.010	<0.010	<0.012	<0.011	<0.014	0.011 J	<0.010	<0.012	<0.012	50	33	2.6	0.058	<0.0050
Total BTEX	- -	<0.010	<0.010	<0.0090	<0.0090	0.0020 J	<0.010	0.0030 J	<0.011	<0.014	0.026 J	0.0030 J	<0.012	<0.012	72	45	3.3	0.078 J	<0.0050
Total VOCs	- -	<0.010	<0.010	<0.0090	<0.0090	0.0020 J	<0.010	0.0030 J	<0.011	<0.014	0.026 J	0.0030 J	<0.012	<0.012	72	45	3.3	0.078 J	<0.0050
Detected SVOCs																			
2,4-Dimethylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.64	<0.67 J	<0.61	<0.62	<0.68	<0.65	<0.78	<0.76	<0.95	0.82	<0.65	<0.78	<0.81	150	66	150	5.7	0.19 J
2-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000	0.30 J	<0.67	0.080 J	<0.62	<0.68	<0.65	<0.78	0.12 J	<0.95	<0.81	<0.65	<0.78	<0.81	28 J	11 J	20 J	1.2	0.096 J
Acenaphthylene	1,000	<0.64	<0.67	<0.61	0.10 J	<0.68	<0.65	<0.78	<0.76	<0.95	0.16 J	<0.65	<0.78	<0.81	100	75	170	7.5	0.54 J
Anthracene	1,000	0.44 J	<0.67	1.3	0.17 J	0.18 J	<0.65	0.11 J	0.45 J	<0.95	0.17 J	<0.65	<0.78	<0.81	68	57	110	7.1	0.75 J
Benzo(a)anthracene	11	1.1	<0.67	0.62	0.69	0.39 J	<0.65	0.12 J	2.3 J	<0.95	0.11 J	0.25 J	<0.78	<0.81	40 J	30	42 J	3.5	1.3 J
Benzo(a)pyrene	1.1	0.82	<0.67	0.40 J	0.61	0.29 J	<0.65	<0.78	2.1 J	<0.95	<0.81	0.40 J	<0.78	<0.81	31 J	19	31 J	2.7	1.1 J
Benzo(b)fluoranthene	11	1.1	<0.67	0.28 J	0.50 J	0.27 J	<0.65	<0.78	2.0 J	<0.95	<0.81	0.35 J	<0.78	<0.81	17 J	15	21 J	2.0	0.10 J
Benzo(g,h,i)perylene	1,000	0.45 J	<0.67	0.18 J	0.22 J	0.14 J	<0.65	<0.78	0.76 J	<0.95	<0.81	0.33 J	<0.18 J	<0.81	<40	5.0 J	9.9 J	0.87 J	0.43 J
Benzo(k)fluoranthene	110	0.89	<0.67	0.38 J	0.69	0.25 J	<0.65	0.10 J	1.8 J	<0.95	<0.81	0.41 J	<0.78	<0.81	28 J	21	34 J	2.6	0.98 J
bis(2-Ethylhexyl)phthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	110	1.2	0.069 J	0.60 J	0.65	0.37 J	0.075 J	0.12 J	2.1 J	<0.95	0.11 J	0.27 J	<0.78	<0.81	35 J	23	38 J	3.0	1.2 J
Dibenzo(a,h)anthracene	1.1	0.11 J	<0.67	<0.61	<0.62	<0.68	<0.65	<0.78	0.15 J	<0.95	<0.81	0.078 J	<0.78	<0.81	<40	<13	<42	0.27 J	0.11 J
Dibenzofuran	1,000	0.086 J	<0.67	<0.61	<0.62	<0.68	<0.65	<0.78	<0.76	<0.95	0.33 J	<0.65	<0.78	<0.81	38 J	33	71	4.0	0.19 J
Diethylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000	0.44 J	0.10 J	1.9	1.2	0.76	0.088 J	0.26 J	4.0 J	<0.95	0.21 J	0.34 J	<0.78	<0.81	100	67	130	8.7	2.7 J
Fluorene	1,000	0.21 J	<0.67	0.40 J	0.067 J	<0.68	<0.65	<0.78	0.11 J	<0.95	<0.81	<0.65	<0.78	<0.81	83	57	110	6.8	0.46 J
Indeno(1,2,3-cd)pyrene	11	0.52 J	<0.67	0.15 J	0.31 J	0.18 J	<0.65	<0.78	1.1 J	<0.95	<0.81	0.24 J	<0.78	<0.81	11 J	6.4 J	14 J	1.1 J	0.53 J
Naphthalene	1,000	0.16 J	<0.67	<0.61	0.096 J	<0.68	<0.65	<0.78	0.083 J	<0.94	1.4	0.070 J	<0.76	0.81	470	260 E	600	15	0.65 J
Phenanthrene	1,000	0.43 J	<0.67	2.7	0.56 J	0.33 J	<0.65	0.24 J	1.3	<0.95	0.45 J	<0.65	<0.78	<0.81	200	100	210	13	1.4 J
Phenol	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000	1.8	0.14 J	2.2	1.4	0.52 J	0.068 J	0.22 J	3.3 J	0.22 J	0.14 J	0.36 J	0.15 J	0.11 J	87	46	74	5.5	2.1 J
Total PAHs	- -	10 J	0.31 J	11 J	7.3 J	3.7 J	0.23 J	1.2 J	22 J	0.22 J	3.6 J	3.1 J	0.15 J	0.92 J	1,500 J	860 J	1,800 J	87 J	15 J
Total SVOCs	- -	10 J	0.31 J	11 J	7.3 J	3.7 J	0.23 J	1.2 J	22 J	0.22 J	3.9 J	3.1 J	0.15 J	0.92 J	1,500 J	890 J	1,800 J	91 J	15 J

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	6 NYCRR PART 375	V-1	V-2	V-3	V-4	V-5	V-6	V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14	V-14-2	V-15	V-16	V-17
Sample Depth(Feet):	Industrial	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	17.5	17.5	17.5	17.5	17.5
Date Collected:	Use SCOs	11/23/01	12/27/01	11/13/01	11/13/01	10/30/01	10/30/01	10/25/01	10/20/01	10/22/01	10/23/01	10/23/01	10/24/01	11/26/01	01/04/02	01/04/02	01/04/02	01/04/02	01/04/02
Soil Removed at Sample Location:																			
Soil Stabilized at Sample Location :																			
Detected Pesticides																			
4,4'-DDD	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																			
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																			
Diesel Range Organics [C10-C28]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Range Organics [C6-C10]	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
REMEDIAL INVESTIGATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Notes:

1. Samples were collected by ARCADIS on the dates indicated.
2. PCBs = Polychlorinated Biphenyls.
3. VOCs = Target Compound List (TCL) Volatile Organic Compounds.
4. BTEX = Benzene, toluene, ethylbenzene and xylenes.
5. SVOCs = TCL Semi-Volatile Organic Compounds.
6. PAHs = Polynuclear aromatic hydrocarbons.
7. Inorganics = Target Analyte List (TAL) Metals and Cyanide.
8. Samples were analyzed by TestAmerica Laboratories, Inc. (TestAmerica) located in Shelton, Connecticut for:
   - PCBs using United States Environmental Protection Agency (USEPA) SW-846 Method 8082.
   - VOCs/BTEX using USEPA SW-846 Method 8260.
   - SVOCs/PAHs using USEPA SW-846 Method 8270.
   - Pesticides using USEPA SW-846 Method 8080.
   - Inorganics using USEPA SW-846 Methods 6010, 7471 and 9012 or 335.4.
9. Only those constituents detected in one or more samples are summarized.
10. All concentrations reported in dry weight parts per million (ppm), which is equivalent to milligrams per kilogram (mg/kg).
11. Field duplicate sample results are presented in brackets.
12. Data qualifiers are defined as follows:
    < - Constituent not detected at a concentration above the reported detection limit.
    B (Inorganic) - Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL).
    B (Organic) - Compound was found in blank.
    E (Inorganic) - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the instrument detection limit in original sample.
    E (Organic) - Indicates the linear range of exceedance of instrument.
    J - Indicates that the associated numerical value is an estimated concentration.
    N - The spike recovery exceeded the upper or lower control limits.
    R - Data was rejected due to a deficiency in the data generation process.
13. 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs) are from Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375-6.8(b), effective December 14, 2006.
14. Shading indicates that the result exceeds the 6 NYCRR Part 375 Industrial Use SCO.
15. - - = No 6 NYCRR Part 375 SCO listed.
16. NA = Not Analyzed.
17. Results have been validated in accordance with USEPA National Functional Guidelines of October 1999 and July 2002.

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-1	SB-3	SB-7	SB-9	SB-10	SB-11	SB-12	SB-13	SB-13	SB-14	SB-15	SB-16	SB-16
Sample Depth(Feet):	371 TCLP		16 - 18	14 - 16	20 - 22	6 - 8	10 - 12	12 - 14	6 - 8	14 - 16	38 - 40	8 - 10	8 - 10	2 - 4	28 - 30
Date Collected:	Criteria	Units	02/19/98	02/27/98	02/26/98	02/24/00	02/24/00	02/28/00	02/28/00	03/15/00	03/15/00	02/24/00	03/02/00	03/03/00	03/03/00
Soil Sample Location within ISS Limits:															
PCBs															
Aroclor-1016	- -	mg/kg	<0.0330	<0.0330	<0.0330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	- -	mg/kg	<0.0670	<0.0670	<0.0670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	- -	mg/kg	<0.0330	<0.0330	<0.0330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	- -	mg/kg	<0.0330	<0.0330	<0.0330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	mg/kg	<0.0330	<0.0330	<0.0330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	mg/kg	<0.0330	<0.0330	<0.0330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	mg/kg	<0.0330	<0.0330	<0.0330	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	mg/kg	<0.0670	<0.0670	<0.0670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs-TCLP															
1,1-Dichloroethene	700	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	200,000	ug/L	<10	<10	<10	**4.0 J**	<10	<10	<10	<5.0	<5.0	**3.0 JB**	**9.0 JB**	**3.0 J**	**5.0 J**
Benzene	500	ug/L	<5.0	<5.0	<5.0	<5.0	**2.0 JT**	**6.0 T**	**0.50 JT**	<5.0	<5.0	**33 T**	**0.70 JT**	**0.90 JT**	**14 T**
Carbon Tetrachloride	500	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	6,000	ug/L	<5.0	**6.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	700	ug/L	<5.0	**8.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	500	ug/L	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	200	ug/L	<10	<10	<10	<10	<5.0	<10	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0
SVOCs-TCLP															
1,4-Dichlorobenzene	7,500	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
2,4,5-Trichlorophenol	400,000	ug/L	<50	<50	<50	<100	<100	<100	<100	<120	<120	<200	<10	<10	<10
2,4,6-Trichlorophenol	2,000	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
2,4-Dinitrotoluene	130	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
2-Methylphenol	200,000	ug/L	<10	<10	<10	<20	<20	**22**	<20	<50	<50	**63**	<10	**2.0 J**	**220**
4-Methylphenol	200,000	ug/L	<10	<10	<10	**0.80 J**	<20	**29**	<20	<50	<50	**150**	<10	**4.0 J**	**450**
Hexachlorobenzene	130	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
Hexachlorobutadiene	500	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
Hexachloroethane	3,000	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
Nitrobenzene	2,000	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	<40	<10	<10	<10
Pentachlorophenol	100,000	ug/L	<50	<50	<50	<100	<100	<100	<100	<120	<120	<200	<50	<50	<50
Pyridine	5,000	ug/L	<10	<10	<10	<20	<20	<20	<20	<50	<50	**1.0 J**	<10	<10	**18 J**

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-1	SB-3	SB-7	SB-9	SB-10	SB-11	SB-12	SB-13	SB-13	SB-14	SB-15	SB-16	SB-16
Sample Depth(Feet):	371 TCLP		16 - 18	14 - 16	20 - 22	6 - 8	10 - 12	12 - 14	6 - 8	14 - 16	38 - 40	8 - 10	8 - 10	2 - 4	28 - 30
Date Collected:	Criteria	Units	02/19/98	02/27/98	02/26/98	02/24/00	02/24/00	02/28/00	02/28/00	03/15/00	03/15/00	02/24/00	03/02/00	03/03/00	03/03/00
Soil Sample Location within ISS Limits:															
Pesticides-TCLP															
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides-TCLP															
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP															
Antimony	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	5,000	ug/L	<40	<40	<40	**21**	**3.2 B**	**3.6 B**	<3.0	**2.7 B**	**5.7 B**	**5.0 B**	**4.6 B**	**14**	<3.0
Barium	100,000	ug/L	**370**	**510**	**290**	**220**	**220**	**310**	**220**	**150 B**	**190 B**	**330**	**190 B**	**170 B**	**200 B**
Beryllium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	ug/L	<2.0	<2.0	<2.0	**4.0 B**	**1.0 B**	<1.0	<1.0	<0.30	<0.30	**1.3 B**	<1.0	**1.9 B**	<1.0
Chromium	5,000	ug/L	<6.0	**8.6 B**	**7.9 B**	<1.0	**5.4 B**	<1.0	**20**	**3.7 B**	<2.2	**1.2 B**	**5.9 B**	**39**	**3.8 B**
Lead	5,000	ug/L	<22	<22	<22	**6.7**	<2.0	**3.0 B**	<2.0	<2.3	<2.3	**4.3**	**3.5**	**3,300**	**15**
Mercury	200	ug/L	<2.0	<2.0	<2.0	<1.0	**12**	<1.0	<1.0	<10	<10	<1.0	**1.1 BN**	**1.5 BN**	**1.6 BN**
Nickel	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1,000	ug/L	<48	<48	<48	**6.6**	**17**	**6.4**	**9.0**	**6.5**	<4.0	**12**	**9.5 N**	**11 N**	**8.0 N**
Silver	5,000	ug/L	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.9	<1.9	<1.0	<1.0	<1.0	<1.0
Thallium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
BTU	- -	BTU/lb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO (C10-C28)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (C6-C10)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	SU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Waste Characterization															
Cyanide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	mm/sec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-17	SB-17	SB-18	SB-19	SB-19	SB-20	SB-21	SB-21	SB-22	SB-22	SB-24	SB-24	SB-25
Sample Depth(Feet):	371 TCLP		2 - 4	14 - 16	2 - 4	10 - 12	26 - 28	18 - 20	16 - 18	34 - 36	14 - 16	42 - 44	12 - 14	34 - 36	12 - 14
Date Collected:	Criteria	Units	02/29/00	02/29/00	03/16/00	03/16/00	03/16/00	02/22/00	02/22/00	02/22/00	03/06/00	03/06/00	03/20/00	03/20/00	03/17/00
Soil Sample Location within ISS Limits:															
PCBs															
Aroclor-1016	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs-TCLP															
1,1-Dichloroethene	700	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	200,000	ug/L	<10	**3.0 JB**	<5.0	<5.0	<5.0	**4.0 JB**	<10	<10	**3.0 J**	**4.0 J**	<5.0	<5.0	<5.0
Benzene	500	ug/L	<5.0	**0.40 JT**	**2.4 J**	<5.0	**7.1**	**0.40 JT**	<5.0	**3.0 JT**	**9.0 T**	**3.0 JT**	<5.0	**8.5**	<5.0
Carbon Tetrachloride	500	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	6,000	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	700	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	500	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	200	ug/L	<10	<10	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0
SVOCs-TCLP															
1,4-Dichlorobenzene	7,500	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
2,4,5-Trichlorophenol	400,000	ug/L	<100	<100	<120	<120	<120	<100	<100	<100	<10	<10	<120	<120	<120
2,4,6-Trichlorophenol	2,000	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
2,4-Dinitrotoluene	130	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
2-Methylphenol	200,000	ug/L	<20	<20	<50	<50	**120**	<20	<20	<20	**1.0 J**	**0.30 J**	**120**	**48 J**	**120**
4-Methylphenol	200,000	ug/L	<20	**0.60 J**	<50	<50	<50	**1.0 J**	<20	<20	**1.0 J**	<10	<50	<50	<50
Hexachlorobenzene	130	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
Hexachlorobutadiene	500	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
Hexachloroethane	3,000	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
Nitrobenzene	2,000	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50
Pentachlorophenol	100,000	ug/L	<100	<100	<120	<120	<120	<100	<100	<100	<50	<50	<120	<120	<120
Pyridine	5,000	ug/L	<20	<20	<50	<50	<50	<20	<20	<20	<10	<10	<50	<50	<50

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-17	SB-17	SB-18	SB-19	SB-19	SB-20	SB-21	SB-21	SB-22	SB-22	SB-24	SB-24	SB-25
Sample Depth(Feet):	371 TCLP		2 - 4	14 - 16	2 - 4	10 - 12	26 - 28	18 - 20	16 - 18	34 - 36	14 - 16	42 - 44	12 - 14	34 - 36	12 - 14
Date Collected:	Criteria	Units	02/29/00	02/29/00	03/16/00	03/16/00	03/16/00	02/22/00	02/22/00	02/22/00	03/06/00	03/06/00	03/20/00	03/20/00	03/17/00
Soil Sample Location within ISS Limits:															
Pesticides-TCLP															
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides-TCLP															
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP															
Antimony	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	5,000	ug/L	<3.0	**4.3 B**	**3.4 B**	<2.5	<2.5	**6.5 B**	**3.3 B**	**5.7 B**	**7.3 B**	**8.1 B**	**6.8 J**	**3.1 B**	<2.5
Barium	100,000	ug/L	**330**	**840**	**260**	**52**	**370**	**420**	**480**	**430**	**250**	**850**	**520**	**800**	**250**
Beryllium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	ug/L	<1.0	<1.0	<0.30	<0.30	<0.30	<1.0	<1.0	<1.0	<1.0	**1.3 B**	<0.30	**0.34 B**	<0.30
Chromium	5,000	ug/L	**3.6 B**	**2.3 B**	<2.2	**4.7 B**	<2.2	<1.0	**2.0 B**	<1.0	**7.6 B**	**10**	**2.4 B**	<2.2	<2.2
Lead	5,000	ug/L	**2.7 B**	**3.0 B**	<2.3	<2.3	<2.3	**4.7**	**5.6**	**6.2**	**7.7**	**13**	<2.3	<2.3	<2.3
Mercury	200	ug/L	**16**	**17**	<10	<10	<10	<1.0	<1.0	<1.0	**1.5 BN**	**1.5 BN**	<10	<10	<10
Nickel	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1,000	ug/L	**7.8**	**5.4**	<4.0	<4.0	<4.0	**5.1**	**7.9**	**8.2**	**12 N**	<3.0 N	**4.5 B**	<4.0	<4.0
Silver	5,000	ug/L	<1.0	<1.0	<1.9	<1.9	<1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.9	<1.9	<1.9
Thallium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous															
BTU	- -	BTU/lb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO (C10-C28)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (C6-C10)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	SU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Waste Characterization															
Cyanide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	mm/sec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-26	SB-26	SB-27	SB-27	SB-28	SB-29	SB-29	SB-30	SB-31	SB-31	SB-32	SB-32
Sample Depth(Feet):	371 TCLP		14 - 16	26 - 28	12 - 14	18 - 20	14 - 16	2 - 4	28 - 30	14 - 16	10 - 12	12 - 14	12 - 14	24 - 26
Date Collected:	Criteria	Units	02/24/00	02/24/00	03/02/00	03/02/00	03/01/00	03/01/00	03/01/00	03/13/00	03/07/00	03/07/00	03/08/00	03/08/00
Soil Sample Location within ISS Limits:														
PCBs														
Aroclor-1016	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs-TCLP														
1,1-Dichloroethene	700	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	200,000	ug/L	**3.0 JB [3.0 JB]**	<10	**4.0 JB**	**4.0 JB**	**3.0 JB**	**4.0 JB**	**2.0 JB**	<5.0	**4.0 JB**	**5.0 JB**	**3.0 JB**	**9.0 JB**
Benzene	500	ug/L	**0.20 JT [0.40 JT]**	**2.0 JT**	**0.90 JT**	**2.0 JT**	<5.0	**0.80 JT**	**2.0 JT**	<5.0	**1.0 JT**	**1.0 JT**	**0.20 JT**	**9.0 JT**
Carbon Tetrachloride	500	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	6,000	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	**0.40 J**	<5.0	<5.0	<5.0	**0.40 J**	<5.0
Tetrachloroethene	700	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	**0.60 J**	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	500	ug/L	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	200	ug/L	<10 [<10]	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOCs-TCLP														
1,4-Dichlorobenzene	7,500	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
2,4,5-Trichlorophenol	400,000	ug/L	<100 [<100]	<100	<50	<50	<100	<100	<100	<120	<10	<10	<10	<10
2,4,6-Trichlorophenol	2,000	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
2,4-Dinitrotoluene	130	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
2-Methylphenol	200,000	ug/L	<20 [<20]	<20	**0.50 J**	**3.0 J**	<20	<20	**0.40 J**	**120**	**0.30 J**	**0.70 J**	**0.60 J**	**2.0 J**
4-Methylphenol	200,000	ug/L	<20 [<20]	**0.50 J**	**1.0 J**	**6.0 J**	<20	<20	**0.90 J**	<50	**0.70 J**	**2.0 J**	**2.0 J**	**3.0 J**
Hexachlorobenzene	130	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
Hexachlorobutadiene	500	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
Hexachloroethane	3,000	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
Nitrobenzene	2,000	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10
Pentachlorophenol	100,000	ug/L	<100 [<100]	<100	<10	<10	<100	<100	<100	<120	<50	<50	<50	<50
Pyridine	5,000	ug/L	<20 [<20]	<20	<10	<10	<20	<20	<20	<50	<10	<10	<10	<10

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-26	SB-26	SB-27	SB-27	SB-28	SB-29	SB-29	SB-30	SB-31	SB-31	SB-32	SB-32
Sample Depth(Feet):	371 TCLP		14 - 16	26 - 28	12 - 14	18 - 20	14 - 16	2 - 4	28 - 30	14 - 16	10 - 12	12 - 14	12 - 14	24 - 26
Date Collected:	Criteria	Units	02/24/00	02/24/00	03/02/00	03/02/00	03/01/00	03/01/00	03/01/00	03/13/00	03/07/00	03/07/00	03/08/00	03/08/00
Soil Sample Location within ISS Limits:														
Pesticides-TCLP														
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides-TCLP														
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP														
Antimony	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	5,000	ug/L	**5.2 B [7.0 B]**	**4.5 B**	<3.0	**3.6 B**	**3.6 B**	**5.5 B**	<3.0	**2.9 B**	**8.4 B**	**4.9 B**	<3.0	**6.4 B**
Barium	100,000	ug/L	**370 [840]**	**420**	**430**	**470**	**690**	**760**	**210**	**570**	**180 B**	**260**	**730**	**670**
Beryllium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	ug/L	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	**2.2 B**	<1.0	<0.30	<1.0	<1.0	<1.0	<1.0
Chromium	5,000	ug/L	**1.3 B [5.5 B]**	<1.0	<1.0	<1.0	**1.4 B**	<1.0	<1.0	<2.2	**1.8 B**	<1.0	**1.2 B**	<1.0
Lead	5,000	ug/L	**4.9 [5.0]**	**3.4**	**5.6**	**3.7**	**3.2**	**28**	**5.0**	<2.3	**7.8**	**9.0**	**5.6**	**4.8**
Mercury	200	ug/L	**<1.0 [23]**	<1.0	<1.0 N	<1.0 N	**8.6**	<1.0	**1.4 B**	<10	**1.3 BN**	**1.1 BN**	**1.2 BN**	**1.2 BN**
Nickel	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1,000	ug/L	**8.5 [7.6]**	<3.0	**7.7 N**	**6.5 N**	**5.0 B**	**7.6**	**3.0 B**	<4.0	**6.1 N**	**5.2 N**	**8.2 N**	**10 N**
Silver	5,000	ug/L	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.9	<1.0	<1.0	<1.0	<1.0
Thallium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
BTU	- -	BTU/lb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO (C10-C28)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (C6-C10)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	SU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Waste Characterization														
Cyanide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	mm/sec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-33	SB-34	SB-34	SB-35	SB-36	SB-37	SB-38	SB-39	SB-39	SB-40	SB-40	SB-41
Sample Depth(Feet):	371 TCLP		10 - 12	12 - 14	18 - 20	16 - 18	18 - 20	20 - 22	16 - 18	6 - 8	20 - 22	6 - 8	20 - 22	20 - 22
Date Collected:	Criteria	Units	03/14/00	03/06/00	03/07/00	03/08/00	03/15/00	03/09/00	03/13/00	03/09/00	03/10/00	03/23/00	03/23/00	03/22/00
Soil Sample Location within ISS Limits:							X		X	X	X		X	
PCBs														
Aroclor-1016	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs-TCLP														
1,1-Dichloroethene	700	ug/L	<21	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<21	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	200,000	ug/L	<21	**4.0 J [5.0 JB]**	**3.0 JB**	**3.0 JB**	**7.0 JB**	**11 JB**	<5.0 [<5.0]	**6.0 JB**	**2.0 JB**	<5.0	<5.0	<5.0
Benzene	500	ug/L	<21	**13 T [<5.0]**	**1.0 JT**	**0.80 JT**	**6.0 JT**	**2.0 JT**	<5.0 [<5.0]	**0.70 JT**	**0.40 JT**	<5.0	**120**	**1.2 J**
Carbon Tetrachloride	500	ug/L	<21	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<21	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	6,000	ug/L	<21	<5.0 [<5.0]	<5.0	**0.40 J**	**0.50 J**	**2.0 J**	<5.0 [<5.0]	<5.0	**0.30 J**	<5.0	<5.0	<5.0
Tetrachloroethene	700	ug/L	<21	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	500	ug/L	<21	<5.0 [<5.0]	<5.0	<5.0	**0.80 J**	<5.0	<5.0 [<5.0]	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	200	ug/L	<21	<10 [<10]	<10	<10	<10	<10	<5.0 [<5.0]	<10	<10	<5.0	<5.0	<5.0
SVOCs-TCLP														
1,4-Dichlorobenzene	7,500	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
2,4,5-Trichlorophenol	400,000	ug/L	<120	<10 [<10]	<10	<10	<10	<10	<120 [<120]	<10	<10	<120	<120	<120
2,4,6-Trichlorophenol	2,000	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
2,4-Dinitrotoluene	130	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
2-Methylphenol	200,000	ug/L	**120**	<10 [<10]	<10	**3.0 J**	**1.0 J**	<10	**120 [<50]**	<10	<10	<50	<50	**120**
4-Methylphenol	200,000	ug/L	<50	**0.40 J [<10]**	**0.40 J**	**9.0 J**	**4.0 J**	**0.50 J**	<50 [<50]	**0.70 J**	<10	<50	<50	<50
Hexachlorobenzene	130	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
Hexachlorobutadiene	500	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
Hexachloroethane	3,000	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
Nitrobenzene	2,000	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50
Pentachlorophenol	100,000	ug/L	<120	<50 [<50]	<50	<50	<50	<50	<120 [<120]	<50	<50	<120	<120	<120
Pyridine	5,000	ug/L	<50	<10 [<10]	<10	<10	<10	<10	<50 [<50]	<10	<10	<50	<50	<50

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-33	SB-34	SB-34	SB-35	SB-36	SB-37	SB-38	SB-39	SB-39	SB-40	SB-40	SB-41
Sample Depth(Feet):	371 TCLP		10 - 12	12 - 14	18 - 20	16 - 18	18 - 20	20 - 22	16 - 18	6 - 8	20 - 22	6 - 8	20 - 22	20 - 22
Date Collected:	Criteria	Units	03/14/00	03/06/00	03/07/00	03/08/00	03/15/00	03/09/00	03/13/00	03/09/00	03/10/00	03/23/00	03/23/00	03/22/00
Soil Sample Location within ISS Limits:							X		X	X	X		X	
Pesticides-TCLP														
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides-TCLP														
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP														
Antimony	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	5,000	ug/L	**5.3 B**	**<3.0 [5.2 B]**	**4.6 B**	**8.0 B**	**11**	<3.0	**5.6 B [5.2 B]**	**3.8 B**	<3.0	**2.5 B**	<2.5	**4.4 B**
Barium	100,000	ug/L	**240**	**200 [160 B]**	**230**	**890**	**740**	**780**	**470 [500]**	**190 B**	**770**	**160 B**	**620**	**470**
Beryllium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	ug/L	<0.30	<1.0 [<1.0]	<1.0	<1.0	**1.6 B**	<1.0	<0.30 [<0.30]	<1.0	<1.0	**0.88 B**	<0.30	<0.30
Chromium	5,000	ug/L	<2.2	**1.5 B [1.5 B]**	**2.5 B**	<1.0	**10**	<1.0	**2.2 B [<2.2]**	**4.1 B**	<1.0	**3.9 B**	**2.7 B**	<2.2
Lead	5,000	ug/L	<2.3	**5.6 [5.9]**	**7.3**	**8.3**	**11**	**4.9**	<2.3 [<2.3]	**2.0 B**	**3.2**	<2.3	<2.3	<2.3
Mercury	200	ug/L	<10	**1.0 BN [1.1 BN]**	**1.2 BN**	**2.4 N**	<1.0 N	**1.1 BN**	<10 [<10]	**2.4 N**	**2.6 N**	**17 B**	<10	<10
Nickel	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1,000	ug/L	**4.1 B**	**6.1 N [9.4 N]**	**10 N**	**11 N**	**13 N**	**8.5 N**	**4.9 B [7.3]**	**8.1 N**	**7.4 N**	<4.0	<4.0	<4.0
Silver	5,000	ug/L	<1.9	<1.0 [<1.0]	<1.0	<1.0	<1.0	<1.0	<1.9 [<1.9]	<1.0	<1.0	<1.9	<1.9	<1.9
Thallium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
BTU	- -	BTU/lb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO (C10-C28)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (C6-C10)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	SU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Waste Characterization														
Cyanide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	mm/sec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-42	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-49	SB-50	MW-3D	MW-4D
Sample Depth(Feet):	371 TCLP		20 - 22	20 - 22	24 - 26	20 - 22	22 - 24	20 - 22	16 - 18	10 - 12	18 - 20	16 - 18	18 - 20	21 - 23
Date Collected:	Criteria	Units	03/21/00	03/24/00	03/28/00	03/27/00	03/27/00	03/22/00	03/23/00	03/21/00	03/20/00	03/28/00	02/20/98	02/23/98
Soil Sample Location within ISS Limits:			X					X	X	X	X			
PCBs														
Aroclor-1016	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0330	<0.0330
Aroclor-1221	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0670	<0.0670
Aroclor-1232	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0330	<0.0330
Aroclor-1242	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0330	<0.0330
Aroclor-1248	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0330	<0.0330
Aroclor-1254	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0330	<0.0330
Aroclor-1260	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0330	<0.0330
Total PCBs	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0670	<0.0670
VOCs-TCLP														
1,1-Dichloroethene	700	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
2-Butanone	200,000	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<10	<10
Benzene	500	ug/L	**1.6 J**	<780	**10 J**	<150	**9.8 J**	**1.2 J**	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
Carbon Tetrachloride	500	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
Chloroform	6,000	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
Tetrachloroethene	700	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
Trichloroethene	500	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<5.0	<5.0
Vinyl Chloride	200	ug/L	<5.0	<780	<44	<150	<14	<5.0	<5.0	<5.0 [<5.0]	<50	<5.0 [<14]	<10	<10
SVOCs-TCLP														
1,4-Dichlorobenzene	7,500	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
2,4,5-Trichlorophenol	400,000	ug/L	<120	<120	<120	<120	<120	<120	<120	<120 [<120]	<120	<120 [<120]	<50	<50
2,4,6-Trichlorophenol	2,000	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
2,4-Dinitrotoluene	130	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
2-Methylphenol	200,000	ug/L	**120**	<50	**3.8 J**	<50	**11 J**	**120**	<50	**120 [<50]**	**120**	<50 [<50]	<10	<10
4-Methylphenol	200,000	ug/L	<50	<50	**2.4 J**	<50	**7.4 J**	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
Hexachlorobenzene	130	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
Hexachlorobutadiene	500	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
Hexachloroethane	3,000	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
Nitrobenzene	2,000	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10
Pentachlorophenol	100,000	ug/L	<120	<120	<120	<120	<120	<120	<120	<120 [<120]	<120	<120 [<120]	<50	<50
Pyridine	5,000	ug/L	<50	<50	<50	<50	<50	<50	<50	<50 [<50]	<50	<50 [<50]	<10	<10

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-42	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-49	SB-50	MW-3D	MW-4D
Sample Depth(Feet):	371 TCLP		20 - 22	20 - 22	24 - 26	20 - 22	22 - 24	20 - 22	16 - 18	10 - 12	18 - 20	16 - 18	18 - 20	21 - 23
Date Collected:	Criteria	Units	03/21/00	03/24/00	03/28/00	03/27/00	03/27/00	03/22/00	03/23/00	03/21/00	03/20/00	03/28/00	02/20/98	02/23/98
Soil Sample Location within ISS Limits:			X					X	X	X	X			
Pesticides-TCLP														
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides-TCLP														
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP														
Antimony	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	5,000	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	**4.1 B**	<2.5	**7.9 B [3.8 B]**	**4.1 B**	<2.5 [<2.5]	<40	<40
Barium	100,000	ug/L	**440**	**230**	**590**	**600**	**630**	**550**	**280**	**460 [510]**	**570**	**770 [300]**	**420**	**360**
Beryllium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	ug/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30 [<0.30]	<0.30	<0.30 [<0.30]	<2.0	<2.0
Chromium	5,000	ug/L	<2.2	<2.2	**3.6 B**	**2.2 B**	**3.1 B**	<2.2	<2.2	<2.2 [<2.2]	<2.2	<2.2 [<2.2]	<6.0	**6.5 B**
Lead	5,000	ug/L	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3 [<2.3]	<2.3	<2.3 [<2.3]	<22	<22
Mercury	200	ug/L	<10	<10	**10 B**	**14 B**	<10	<10	**15 B**	<10 [<10]	<10	<10 [<10]	<2.0	<2.0
Nickel	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1,000	ug/L	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0 [<4.0]	<4.0	**4.3 B [5.2]**	<48	**50 B**
Silver	5,000	ug/L	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9 [<1.9]	<1.9	<1.9 [<1.9]	<2.0	<2.0
Thallium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miscellaneous														
BTU	- -	BTU/lb	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DRO (C10-C28)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (C6-C10)	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	SU	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfur	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Waste Characterization														
Cyanide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	mm/sec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		MW-5D	MW-8D	T1	T3-A	SB-100	SB-101	SB-102	SB-103	SB-104	SB-105
Sample Depth(Feet):	371 TCLP		18 - 20	20 - 22	10 - 15	16 - 20	0-5	0-5	0-5	0-5	0-5	0-5
Date Collected:	Criteria	Units	02/18/98	02/17/98	07/01/01	07/01/01	08/27/10	08/24/10	08/27/10	08/25/10	08/24/10	08/25/10
Soil Sample Location within ISS Limits:							X	X	X	X	X	X
PCBs												
Aroclor-1016	- -	mg/kg	<0.0330	<0.0330 [<0.0330]	<0.0330	NA	<0.0270	<0.0220	<0.0310	<0.0250	<0.0200	<0.0190
Aroclor-1221	- -	mg/kg	<0.0670	<0.0670 [<0.0670]	<0.0670	NA	<0.0270	<0.0220	<0.0310	<0.0250	<0.0200	<0.0190
Aroclor-1232	- -	mg/kg	<0.0330	<0.0330 [<0.0330]	<0.0330	NA	<0.0270	<0.0220	<0.0310	<0.0250	<0.0200	<0.0190
Aroclor-1242	- -	mg/kg	<0.0330	<0.0330 [<0.0330]	<0.0330	NA	<0.0270	<0.0220	<0.0310	<0.0250	<0.0200	<0.0190
Aroclor-1248	- -	mg/kg	<0.0330	<0.0330 [<0.0330]	<0.0330	NA	<0.0270	<0.0220	<0.0310	<0.0250	<0.0200	<0.0190
Aroclor-1254	- -	mg/kg	<0.0330	<0.0330 [<0.0330]	<0.0330	NA	<0.0270	<0.0220	<0.0310	<0.0250	<0.0200	<0.0190
Aroclor-1260	- -	mg/kg	<0.0330	<0.0330 [<0.0330]	<0.0330	NA	<0.0270	<0.0220	**0.0220 Jp**	<0.0250	<0.0200	<0.0190
Total PCBs	- -	mg/kg	<0.0670	<0.0670 [<0.0670]	<0.0670	NA	<0.0270	<0.0220	**0.0220 J**	<0.0250	<0.0200	<0.0190
VOCs-TCLP												
1,1-Dichloroethene	700	ug/L	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	200,000	ug/L	<10	<10	NA	NA	<10	<10	<10	**1.5 J**	<10	<10
Benzene	500	ug/L	<5.0	**3.0 J**	<5.0	**0.40 JB**	**2.1 J**	**0.95 J**	<5.0	**1.2 J**	<5.0	<5.0
Carbon Tetrachloride	500	ug/L	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	6,000	ug/L	<5.0	<5.0	NA	NA	**1.1 J**	**0.75 JB**	**0.93 J**	**1.0 JB**	**0.82 JB**	**1.1 JB**
Tetrachloroethene	700	ug/L	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	**4.3 J**
Trichloroethene	500	ug/L	<5.0	<5.0	NA	NA	<5.0	<5.0	<5.0	**1.2 J**	<5.0	<5.0
Vinyl Chloride	200	ug/L	<10	<10	NA	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
SVOCs-TCLP												
1,4-Dichlorobenzene	7,500	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
2,4,5-Trichlorophenol	400,000	ug/L	<50	<50	NA	NA	<100	<100	<100	<100	<100	<100
2,4,6-Trichlorophenol	2,000	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
2,4-Dinitrotoluene	130	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
2-Methylphenol	200,000	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
4-Methylphenol	200,000	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
Hexachlorobenzene	130	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
Hexachlorobutadiene	500	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
Hexachloroethane	3,000	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
Nitrobenzene	2,000	ug/L	<10	<10	NA	NA	<20	<20	<20	<20	<20	<20
Pentachlorophenol	100,000	ug/L	<50	<50	NA	NA	<100	<100	<100	<100	<100	<100
Pyridine	5,000	ug/L	<10	<10	NA	NA	<40	<40	<40	<40	<40	<40

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		MW-5D	MW-8D	T1	T3-A	SB-100	SB-101	SB-102	SB-103	SB-104	SB-105
Sample Depth(Feet):	371 TCLP		18 - 20	20 - 22	10 - 15	16 - 20	0-5	0-5	0-5	0-5	0-5	0-5
Date Collected:	Criteria	Units	02/18/98	02/17/98	07/01/01	07/01/01	08/27/10	08/24/10	08/27/10	08/25/10	08/24/10	08/25/10
Soil Sample Location within ISS Limits:							X	X	X	X	X	X
Pesticides-TCLP												
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides-TCLP												
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals-TCLP												
Antimony	- -	ug/L	NA	NA	NA	NA	<75	<75	<75	<75	<75	<75
Arsenic	5,000	ug/L	<40	<40	NA	NA	<75	<75	<75	<75	<75	<75
Barium	100,000	ug/L	**400**	**55 B**	NA	NA	**220**	**93**	**140**	**300**	**250**	**350**
Beryllium	- -	ug/L	NA	NA	NA	NA	<25	<25	<25	<25	<25	<25
Cadmium	1,000	ug/L	<2.0	<2.0	NA	NA	<25	<25	**5.4 J**	<25	<25	<25
Chromium	5,000	ug/L	<6.0	**2,300**	NA	NA	<25	<25	<25	<25	<25	<25
Lead	5,000	ug/L	<22	**51 B**	NA	NA	<75	<75	<75	<75	<75	<75
Mercury	200	ug/L	<0.20	<2.0	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Nickel	- -	ug/L	NA	NA	NA	NA	**10 J**	**18 J**	**45**	**11 J**	**7.7 J**	**8.2 J**
Selenium	1,000	ug/L	<48	<48	NA	NA	<190	<190	<190	<190	<190	<190
Silver	5,000	ug/L	<2.0	**2.0 B**	NA	NA	<25	<25	<25	<25	<25	<25
Thallium	- -	ug/L	NA	NA	NA	NA	<75	<75	<75	<75	<75	<75
Vanadium	- -	ug/L	NA	NA	NA	NA	**7.2 J**	<25	<25	**8.1 J**	**6.0 J**	<25
Zinc	- -	ug/L	NA	NA	NA	NA	<120	**69 J**	**57 J**	**66 J**	**40 J**	**27 J**
Miscellaneous												
BTU	- -	BTU/lb	NA	NA	NA	NA	DNF	DNF	DNF	DNF	DNF	DNF
DRO (C10-C28)	- -	mg/kg	NA	NA	NA	NA	**370**	**990**	**190**	**5,800**	**300**	**80**
GRO (C6-C10)	- -	mg/kg	NA	NA	NA	NA	**0.04 J**	<0.32	<0.46	**0.45**	<0.29	<0.28
pH	- -	SU	NA	NA	NA	NA	7.49 HF	7.41 HF	7.35 HF	7.32 HF	7.18 HF	8.19 HF
Total Sulfur	- -	mg/kg	NA	NA	NA	NA	**7,000**	**479**	**7,800**	**632**	**494**	**228**
Waste Characterization												
Cyanide, Reactive	- -	mg/kg	NA	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability	- -	mm/sec	NA	NA	NA	NA	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable	NonIgnitable
Sulfide, Reactive	- -	mg/kg	NA	NA	NA	NA	<20	<20	<20	<20	<20	<20

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-106	SB-107	SB-107	SB-108	SB-108	SB-109	SCB-COMP	SCB-COMP	SCB-COMP
Sample Depth(Feet):	371 TCLP		0-5	0-5	0-5	0-5	0-5	0-5	1.5 - 4.5	1.5 - 8.5	4.5 - 8.5
Date Collected:	Criteria	Units	08/25/10	08/23/10	08/25/10	08/23/10	08/25/10	08/23/10	02/15/12	02/15/12	02/15/12
Soil Sample Location within ISS Limits:			X			X	X				
PCBs											
Aroclor-1016	- -	mg/kg	<0.0230	NA	<0.0250	NA	<0.0220	<0.0200	<0.0390	<0.0480	<0.0650
Aroclor-1221	- -	mg/kg	<0.0230	NA	<0.0250	NA	<0.0220	<0.0200	<0.0390	<0.0480	<0.0650
Aroclor-1232	- -	mg/kg	<0.0230	NA	<0.0250	NA	<0.0220	<0.0200	<0.0390	<0.0480	<0.0650
Aroclor-1242	- -	mg/kg	<0.0230	NA	<0.0250	NA	<0.0220	<0.0200	<0.0390	<0.0480	<0.0650
Aroclor-1248	- -	mg/kg	<0.0230	NA	<0.0250	NA	<0.0220	<0.0200	<0.0390	<0.0480	<0.0650
Aroclor-1254	- -	mg/kg	<0.0230	NA	<0.0250	NA	<0.0220	<0.0200	**0.130**	**0.100**	<0.0650
Aroclor-1260	- -	mg/kg	<0.0230	NA	**0.0190 J**	NA	**0.0170 Jp**	<0.0200	<0.0390	<0.0480	<0.0650
Total PCBs	- -	mg/kg	<0.0230	NA	**0.0190 J**	NA	**0.0170 J**	<0.0200	**0.130**	**0.100**	<0.0650
VOCs-TCLP											
1,1-Dichloroethene	700	ug/L	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	500	ug/L	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
2-Butanone	200,000	ug/L	**1.2 J**	**1.3 J**	NA	**1.5 J**	NA	<10	<5.0	<5.0	<5.0
Benzene	500	ug/L	**0.89 J**	**3.6 J**	NA	<5.0	NA	**1.2 J**	<5.0	<5.0	<5.0
Carbon Tetrachloride	500	ug/L	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	100,000	ug/L	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
Chloroform	6,000	ug/L	**1.1 JB**	**0.72 JB**	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	700	ug/L	<5.0	<5.0	NA	**3.1 J**	NA	<5.0	<5.0	<5.0	**3.1 J**
Trichloroethene	500	ug/L	<5.0	**1.1 J**	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	200	ug/L	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0
SVOCs-TCLP											
1,4-Dichlorobenzene	7,500	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
2,4,5-Trichlorophenol	400,000	ug/L	<100	NA	NA	NA	NA	<100	<67	<67	<67
2,4,6-Trichlorophenol	2,000	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
2,4-Dinitrotoluene	130	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
2-Methylphenol	200,000	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
4-Methylphenol	200,000	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
Hexachlorobenzene	130	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
Hexachlorobutadiene	500	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
Hexachloroethane	3,000	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
Nitrobenzene	2,000	ug/L	<20	NA	NA	NA	NA	<20	<33	<33	<33
Pentachlorophenol	100,000	ug/L	<100	NA	NA	NA	NA	<100	<67	<67	<67
Pyridine	5,000	ug/L	<40	NA	NA	NA	NA	<40	<67	<67	<67

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC Part		SB-106	SB-107	SB-107	SB-108	SB-108	SB-109	SCB-COMP	SCB-COMP	SCB-COMP
Sample Depth(Feet):	371 TCLP		0-5	0-5	0-5	0-5	0-5	0-5	1.5 - 4.5	1.5 - 8.5	4.5 - 8.5
Date Collected:	Criteria	Units	08/25/10	08/23/10	08/25/10	08/23/10	08/25/10	08/23/10	02/15/12	02/15/12	02/15/12
Soil Sample Location within ISS Limits:			X			X	X				
Pesticides-TCLP											
Chlordane (technical)	30	ug/L	NA	NA	NA	NA	NA	NA	<8.3	<8.3	<8.3
Endrin	20	ug/L	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33
Gamma-BHC (Lindane)	400	ug/L	NA	NA	NA	NA	NA	NA	<0.17	<0.17	<0.17
Heptachlor	8	ug/L	NA	NA	NA	NA	NA	NA	<0.17	<0.17	<0.17
Heptachlor Epoxide	8	ug/L	NA	NA	NA	NA	NA	NA	<0.17	<0.17	<0.17
Methoxychlor	10,000	ug/L	NA	NA	NA	NA	NA	NA	<1.7	<1.7	<1.7
Toxaphene	500	ug/L	NA	NA	NA	NA	NA	NA	<17	<17	<17
Herbicides-TCLP											
2,4,5-TP	1,000	ug/L	NA	NA	NA	NA	NA	NA	<0.33	<0.33	<0.33
2,4-D	10,000	ug/L	NA	NA	NA	NA	NA	NA	<3.3	<3.3	<3.3
Metals-TCLP											
Antimony	- -	ug/L	<75	NA	<75	NA	<75	<75	NA	NA	NA
Arsenic	5,000	ug/L	<75	NA	<75	NA	<75	<75	<20	<20	<20
Barium	100,000	ug/L	**300**	NA	**330**	NA	**630**	**460**	**190 B**	**150 B**	**69 B**
Beryllium	- -	ug/L	<25	NA	<25	NA	<25	<25	NA	NA	NA
Cadmium	1,000	ug/L	<25	NA	<25	NA	<25	<25	<5.0	<5.0	<5.0
Chromium	5,000	ug/L	<25	NA	<25	NA	**12 J**	<25	<20	<20	<20
Lead	5,000	ug/L	<75	NA	<75	NA	<75	<75	<10	<10	<10
Mercury	200	ug/L	<2.0	NA	<2.0	NA	<2.0	<2.0	**0.094 B**	**0.061 B**	<0.20
Nickel	- -	ug/L	**8.3 J**	NA	**7.5 J**	NA	<25	<25	NA	NA	NA
Selenium	1,000	ug/L	<190	NA	<190	NA	<190	<190	**16 B**	<30	<30
Silver	5,000	ug/L	<25	NA	<25	NA	<25	<25	<30	<30	<30
Thallium	- -	ug/L	<75	NA	<75	NA	<75	<75	NA	NA	NA
Vanadium	- -	ug/L	<25	NA	<25	NA	**5.0 J**	<25	NA	NA	NA
Zinc	- -	ug/L	**120**	NA	**43 J**	NA	**55 J**	**110 J**	NA	NA	NA
Miscellaneous											
BTU	- -	BTU/lb	DNF	NA	DNF	NA	DNF	DNF	NA	NA	NA
DRO (C10-C28)	- -	mg/kg	**17,000**	NA	**860**	NA	**690**	**170**	NA	NA	NA
GRO (C6-C10)	- -	mg/kg	**0.076 J**	NA	<0.37	NA	<0.33	<0.3	NA	NA	NA
pH	- -	SU	7.28 HF	NA	7.87 HF	NA	8.11 HF	7.76 HF	7.6	7.8	8.4
Total Sulfur	- -	mg/kg	**6,540**	NA	<262	NA	<217	**868**	NA	NA	NA
Waste Characterization											
Cyanide, Reactive	- -	mg/kg	<0.5	NA	<0.5	NA	<0.5	<0.5	<1.2	<1.4	<1.9
Ignitability	- -	°F	NA	NA	NA	NA	NA	NA	<200	<200	<200
Ignitability	- -	mm/sec	NonIgnitable	NA	NonIgnitable	NA	NonIgnitable	NonIgnitable	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	<20	NA	<20	NA	<20	<20	**6.8**	**2.5**	<1.9

TABLE 2
IN-SITU WASTE CHARACTERIZATION SOIL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Notes:

1. Samples were collected by ARCADIS on the dates indicated.
2. TCLP = Toxicity Characteristic Leaching Procedure.
3. ISS = in-situ soil solidification.
4. PCBs = Polychlorinated Biphenyls.
5. VOCs = Target Compound List (TCL) Volatile Organic Compounds.
6. SVOCs = TCL Semi-Volatile Organic Compounds.
7. Inorganics = Resource Conservation Recovery Act (RCRA) Metals and Cyanide.
8. DRO = Diesel range organics.
9. GRO = Gasoline range organics.
10. mg/kg = milligram per kilogram which is equivalent to parts per million.
11. ug/L = micrograms per liter which is equivalent to parts per billion.
12. BTU/lb = British Thermal Units (BTU) per pound.
13. SU = standard units.
14. ^{O}F = degrees Fahrenheit.
15. mm/sec = millimeters per second.
16. Samples were analyzed by TestAmerica Laboratories, Inc. (TestAmerica) located in Shelton, Connecticut using extraction by:
    - PCBs using United States Environmental Protection Agency (USEPA) SW-846 Methods 8082.
    - VOCs/BTEX using USEPA SW-846 Methods 1311 and 8260.
    - SVOCs/PAHs using USEPA SW-846 Methods 1311 and 8270.
    - Pesticides and herbicides using USEPA SW-846 Methods 1311 and 8081.
    - Herbicides using USEPA SW-846 Methods 1311 and 8151.
    - Inorganics using USEPA SW-846 Methods 1311 and 6010, 7471, and/or 335.4.
    - Heat of combustion by ASTM D240-87.
    - Diesel range organic (DRO) and gasoline range organics (GRO) using USEPA SW-846 Method 8015.
    - Ignitability using USEPA Method 1010 and 1030.
    - pH using USEPA Method 9045.
    - Total sulfur using USEPA Method 9038.
    - Reactive cyanide using USEPA Method 9012 and 7.3.
    - Reactive sulfide using USEPA Method 9034 and 7.3.
17. Only those constituents detected in one or more samples are summarized.
18. Field duplicate sample results are presented in brackets.
19. Data qualifiers are defined as follows:
    < - Constituent not detected at a concentration above the reported detection limit.
    B (Inorganic) - Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL).
    B (Organic) - Compound was found in blank.
    J - Indicates that the associated numerical value is an estimated concentration.
    N - The spike recovery exceeded the upper or lower control limits.
    T - Compound was found in blank.
    DNF - Did not fire.
    HF - Field parameter with a holding time of 15 minutes.
    NI - Non-ignitable.
    p - The percent relative difference between the primary and confirmation column/detector is >40%. The lower value is reported.
20. NA = Not Analyzed.
21. The data were not validated.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-1S				MW-1D			
Date Collected:	Values	03/31/98	05/20/98	10/24/00	04/21/03	03/31/98	05/20/98	10/25/00	04/21/03
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<10	<5.0	<10	<10	<10	<25
1,1,2,2-Tetrachloroethane	5	<10	<10	<10	<5.0	<10	<10	<10	<25
1,1,2-Trichloroethane	1	<10	<10	<10	<5.0	<10	<10	<10	<25
1,1-Dichloroethane	5	<10	<10	<10	<5.0	<10	<10	<10	<25
2-Butanone	- -	<10	<10	3.0 J	<10	23	41	39	140
2-Hexanone	50	<10	<10	<10	<10	<10	<10	<10	<50
4-Methyl-2-pentanone	- -	<10	<10	<10	<10	4.0 JB	<10	4.0 J	19 J
Acetone	50	12	<10	7.0 J	<10	250	270 B	160	760
Benzene	1	<10	<10	<10	<5.0	3.0 J	2.0 J	3.0 J	8.0 J
Bromodichloromethane	50	<10	<10	<10	<5.0	<10	<10	<10	<25
Bromoform	50	<10	<10	<10	<5.0	<10	<10	<10	<25
Bromomethane	5	<10	<10	<10	<5.0	<10	<10	<10	<25
Carbon Disulfide	- -	<10	<10	<10	<5.0	<10	<10	2.0 J	<25
Chlorobenzene	5	<10	<10	<10	<5.0	<10	<10	<10	<25
Chloroform	7	<10	<10	<10	<5.0	<10	<10	<10	<25
Chloromethane	- -	<10	<10	<10	<5.0	<10	<10	<10	<25
Dibromochloromethane	50	<10	<10	<10	<5.0	<10	<10	<10	<25
Ethylbenzene	5	<10	<10	<10	<5.0	<10	<10	0.50 J	<25
Methylene Chloride	5	<10	<10	0.50 J	<5.0	0.90 J	<10	0.80 J	<25
Styrene	5	<10	<10	<10	<5.0	<10	<10	<10	<25
Tetrachloroethene	5	<10	<10	<10	<5.0	<10	<10	<10	<25
Toluene	5	0.30 J	0.50 J	<10	<5.0	4.0 J	2.0 J	1.0 J	3.0 J
Trichloroethene	5	<10	<10	<10	<5.0	<10	<10	<10	<25
Vinyl Chloride	2	<10	<10	<10	<5.0	<10	<10	<10	<25
Xylenes (total)	5	<10	<10	<10	<5.0	<10	<10	1.0 J	6.0 J
Total BTEX	- -	0.30 J	0.50 J	<10	<5.0	7.0 J	4.0 J	5.5 J	17 J
Total VOCs	- -	12 J	0.50 J	11 J	<10	290 J	320 J	210 J	940 J
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10	<10	<11	<10	4.0 J	5.0 J	3.0 J	3.0 J
2,4-Dinitrophenol	10	<25	<25	<27	<50	<25	<25	<100	<200
2-Chloronaphthalene	10	<10	<10	<11	<10	<10	<10	<42	<40
2-Methylnaphthalene	- -	<10	<10	<11	<10	<10	0.70 J	<42	<40
2-Methylphenol	- -	<10	<10	<11	<10	5.0 J	8.0 J	7.0 J	3.0 J
2-Nitrophenol	- -	<10	<10	<11	<10	<10	<10	<42	<40
3,3'-Dichlorobenzidine	5	<10	<10	<11	<20	<10	<10	<42	<80
4-Methylphenol	- -	<10	<10	<11	<10	180	260	250	210
4-Nitroaniline	5	<25	<25	<27	<20	<25	<25	<100	<80
Acenaphthene	20	1.0 J	0.50 J	0.30 J	<10	<10	0.70 J	4.0 J	1.0 J
Acenaphthylene	- -	0.50 J	0.20 J	0.20 J	<10	<10	<10	<42	<40
Anthracene	50	<10	0.10 J	<11	<10	<10	0.20 J	0.50 J	<2.0
Benzo(a)anthracene	0.002	<10	<10	<11	<10	<10	<10	<42	<40
Benzo(a)pyrene	0	<10	<10	<11	<10	<10	<10	<42	<40
Benzo(b)fluoranthene	0.002	<10	<10	<11	<10	<10	<10	<42	<40
Benzo(g,h,i)perylene	- -	<10	<10	<11	<10	<10	<10	<42	<40
Benzo(k)fluoranthene	0.002	<10	<10	<11	<10	<10	<10	<42	<40
bis(2-Ethylhexyl)phthalate	5	0.80 J	0.80 JB	<11	<10	<10	<10	<42	<40
Butylbenzylphthalate	50	<10	<10	<11	<10	<10	<10	<42	<40
Detected Semivolatile Organics									
Carbazole	- -	<10	<10	0.20 J	<10	<10	<10	1.0 J	<40
Chrysene	0.002	<10	<10	<11	<10	<10	<10	<42	<40
Dibenzo(a,h)anthracene	- -	<10	<10	<11	<10	<10	<10	<42	<40
Dibenzofuran	- -	0.50 J	0.20 J	0.20 J	<10	<10	<10	1.0 J	<40
Diethylphthalate	50	<10	0.30 J	<11	<10	<10	<10	<42	<40
Dimethylphthalate	50	<10	<10	<11	<10	<10	<10	<42	<40
Di-n-Butylphthalate	50	<10	0.30 JB	0.080 J	<10	<10	<10	<42	<40
Di-n-Octylphthalate	50	<10	<10	<11	<10	<10	<10	<42	<40
Fluoranthene	50	<10	0.20 J	<11	<10	<10	<10	<42	<40
Fluorene	50	0.50 J	<10	0.20 J	<10	<10	<10	1.0 J	<2.0
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<11	<10	<10	<10	<42	<40
Isophorone	50	<10	<10	<11	<10	<10	<10	<42	<40
Naphthalene	10	0.30 J	0.20 J	0.40 J	<10	1.0 J	3.0 J	4.0 J	<40
Phenanthrene	50	<10	0.20 J	<11	<10	<10	0.70 J	2.0 J	<40
Phenol	1	<10	<10	<11	<10	40	48	20 J	21 J
Pyrene	50	<10	0.20 J	<11	<10	<10	<10	<42	<40
Total PAHs	- -	2.3 J	1.6 J	1.1 J	<10	1.0 J	5.3 J	12 J	1.0 J
Total SVOCs	- -	3.6 J	3.2 J	1.6 J	<50	230 J	330 J	290 J	240 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-1S				MW-1D			
Date Collected:	Values	03/31/98	05/20/98	10/24/00	04/21/03	03/31/98	05/20/98	10/25/00	04/21/03
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.10	<0.15	NA	NA	<0.10	<0.15
4,4'-DDE	0.2	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.10
4,4'-DDT	0.2	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.10
Aldrin	0	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Alpha-BHC	0.01	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Alpha-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Beta-BHC	- -	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Delta-BHC	- -	NA	NA	<0.050	<0.050	NA	NA	0.0052 J	<0.050
Dieldrin	0.004	NA	NA	<0.10	<0.10	NA	NA	0.0046 J	<0.10
Endosulfan I	- -	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Endosulfan II	- -	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.10
Endosulfan Sulfate	- -	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.10
Endrin	0	NA	NA	<0.10	<0.10	NA	NA	0.0061 J	<0.10
Endrin Aldehyde	5	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.10
Gamma-BHC (Lindane)	0.05	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Gamma-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Heptachlor	0.04	NA	NA	<0.050	<0.050	NA	NA	<0.050	0.0085 J
Heptachlor Epoxide	0.03	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.050
Methoxychlor	35	NA	NA	<0.50	<0.50	NA	NA	<0.50	<0.50
Detected Inorganics									
Aluminum	- -	50,000	24,300	52.9	<2,500	7,400	9,930	646	<12,500
Antimony	3	<4.00	<4.00	<5.00	<100	<8.00	<4.00	<50.0	<500
Arsenic	25	38.3	19.6	<2.50	<200	10.1 B	13.2	<25.0	<1,000
Barium	1,000	316 EN	184 B	45.6	105 EJ	535 EN	874	593	1,110 EJ
Beryllium	- -	4.40 BN	1.60 B	<5.00	<25.0	4.00 BN	2.40 B	<5.00	<125
Cadmium	5	2.10 BN	<1.00	<5.00	<50.0	<2.00	1.00 B	<5.00	<250
Calcium	- -	1,270,000 E	668,000	83,400	195,000 EJ	352,000 E	340,000	208,000	336,000 EJ
Chromium	50	80.0 N	29.3	<1.00	<50.0	10.5 BN	15.0	<10.0	<250
Detected Inorganics									
Cobalt	- -	31.0 BN	12.9 B	<1.00	<50.0	4.20 BN	5.50 B	<10.0	<250
Copper	200	281	122	2.10	<50.0	12.8 B	40.0	15.2	<250
Cyanide	200	352	163	88.9	266	18.5	11.0	<10.0	4.40 B
Cyanide, Available	- -	NA	NA	<2	12	NA	NA	26	<2
Iron	300	66,500 EN	26,900	178	<1,000	7,910 EN	13,200	1,100	<5,000
Lead	25	133	48.4	<2.00	<50.0	15.4	26.2	<20.0	<250
Magnesium	- -	91,600 E	43,400	7,400	35,000 EJ	67,800 E	66,400	40,100	78,900 EJ
Manganese	300	4,530 EN	2,060	175	59.6 B	263 EN	447	64.4	87.8 B
Mercury	0.7	3.30	2.40 N	<0.100	<0.200 J	0.380	0.200 N	<0.100	<0.200 J
Nickel	100	73.7 N	32.6 B	2.00	<50.0	12.2 BN	16.8 B	<15.0	<250
Potassium	- -	22,900	23,600	18,900	10,200	69,200	71,900	44,000	60,100
Selenium	10	6.60 N	4.40 B	<5.00	<150	<4.00	<2.00	<50.0	<750
Silver	50	<1.00	<1.00	<1.00	<30.0	<2.00	<1.00	<10.0	<150
Sodium	- -	68,900	91,400	82,600	69,700	187,000	<43.0	2,440,000	4,270,000
Thallium	- -	<3.00	<3.00	<6.00	<200	<6.00	<3.00	<60.0	<1,000
Vanadium	- -	106 N	48.8 B	1.60	<30.0	12.5 BN	16.7 B	<10.0	<150
Zinc	2,000	600	225	<5.00	<250	92.7	103	<50.0	<1,250
Detected Inorganics-Filtered									
Iron	300	NA	NA	83.5	<2,000	NA	NA	<100	<2,000
Manganese	300	NA	NA	181	47.9 B	NA	NA	51.7	92.4 B
Detected Miscellaneous									
Alkalinity, CaCO3	- -	2,620,000	86,900	NA	NA	806,000	643,000	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	3,000	8,700	<2,000	2,300	114,000	117,000	NA	120,000
Carbon Dioxide by Headspace	- -	NA	NA	7,370	17,000	NA	NA	66,170	66,000
Carbon monoxide	- -	NA	NA	<400	<400	NA	NA	<400	<400
Carbonate, CaCO3	- -	72,300	<2,000	NA	NA	14,200	6,410	NA	NA
COD	- -	19,000	<10,000	<10,000	16,900	82,000	144,000	NA	409,000
Chloride	250,000	57,600	216,000	171,000	120,000	12,800,000	<10,000,000	NA	12,000,000
DOC Average Quads	- -	NA	NA	4,720	3,400	NA	NA	92,800	68,000
Hardness, Ca/CO3	- -	3,560,000	1,850,000	NA	NA	1,160,000	1,120,000	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	140	1,900	NA	NA	17,860	22,000,000
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	10,000	260	267	106	4,300	<100	<100	<100	<100
Nitrite Nitrogen	1,000	86	107	<100	<100	<5	20	<100	26,000
Oil and Grease	- -	<1,000	4,800	NA	NA	<1,000	2,000	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	1,050	1,200	NA	NA	680	340
pH	- -	8.64	9.1	NA	NA	8.37	8.3	NA	NA
Sulfate	250,000	246,000	256,000	130,000	400,000	49,100	<10,000	27,700	2,300
Sulfide	50	<2,000	<1,000	<1,000	<1,000	49,900	45,400	46,400	66,000
TOC Average Quads	- -	NA	NA	6,600	3,800	NA	NA	102,000	81,000
Total Dissolved Solids	1,000,000	660,000	721,000	NA	NA	23,100,000	25,100,000	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-2S				MW-2D			
Date Collected:	Values	03/30/98	05/20/98	10/24/00	04/10/03	03/31/98	05/20/98	10/24/00	04/10/03
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<10	<5.0	<10	<10	<20	<5.0
1,1,2,2-Tetrachloroethane	5	<10	<10	<10	<5.0	<10	<10	<20	<5.0
1,1,2-Trichloroethane	1	<10	<10	<10	<5.0	<10	<10	<20	<5.0
1,1-Dichloroethane	5	<10	<10	<10	<5.0	<10	<10	<20	<5.0
2-Butanone	- -	7.0 JB	<10	5.0 J	<10	19	150	64	13
2-Hexanone	50	<10	<10	<10	<10 J	<10	<10	3.0 J	<10
4-Methyl-2-pentanone	- -	1.0 J	<10	0.60 J	<10 J	2.0 JB	<10	5.0 J	<10
Acetone	50	26 B	26	12	<10	160	940	200	77 J
Benzene	1	<10	<10	0.20 J	<5.0	2.0 J	<10	2.0 J	3.0 J
Bromodichloromethane	50	<10	<10	<10	<5.0	<10	<10	<20	<5.0
Bromoform	50	<10	<10	<10	<5.0 J	<10	<10	<20	<5.0
Bromomethane	5	1.0 JB	<10	<10	<5.0	<10	<10	<20	<5.0 J
Carbon Disulfide	- -	<10	<10	0.50 J	<5.0	<10	<10	2.0 J	16
Chlorobenzene	5	<10	0.60 J	<10	<5.0	<10	<10	<20	<5.0
Chloroform	7	<10	<10	<10	<5.0	<10	<10	<20	<5.0
Chloromethane	- -	<10	<10	<10	<5.0 J	<10	<10	<20	3.0 J
Dibromochloromethane	50	<10	<10	<10	<5.0	<10	<10	<20	<5.0
Ethylbenzene	5	2.0 J	3.0 J	3.0 J	<5.0	0.60 J	<10	0.60 J	0.60 J
Methylene Chloride	5	<10	<10	0.50 J	<0.40	<10	<10	2.0 J	0.50 J
Styrene	5	<10	<10	<10	<5.0	<10	<10	<20	<5.0
Tetrachloroethene	5	<10	2.0 J	<10	<5.0	<10	<10	<20	<5.0
Toluene	5	<10	12	0.60 J	<5.0	3.0 J	<10	2.0 J	3.0 J
Trichloroethene	5	<10	<10	<10	<5.0	<10	<10	<20	<5.0
Vinyl Chloride	2	<10	<10	<10	<5.0	<10	<10	<20	<5.0
Xylenes (total)	5	8.0 J	11	12	<5.0	2.0 J	<10	2.0 J	3.0 J
Total BTEX	- -	10 J	26 J	16 J	<5.0	7.6 J	<10	6.6 J	9.6 J
Total VOCs	- -	45 J	55 J	34 J	<10	190 J	1,100	280 J	120 J
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10	<10	<22	<10	<10	<10	<100	<10
2,4-Dinitrophenol	10	<25	<25	<55	<50	<25	<25	<250	<50
2-Chloronaphthalene	10	<10	<10	<22	<10	<10	<10	<100	<10
2-Methylnaphthalene	- -	8.0 J	69	96	<10	<10	<10	<100	<10
2-Methylphenol	- -	<10	<10	<22	<10	<10	<10	<100	<10
2-Nitrophenol	- -	<10	<10	<22	<10	<10	<10	<100	<10
3,3'-Dichlorobenzidine	5	<10	<10	<22	<20	<10	<10	<100	<20
4-Methylphenol	- -	<10	0.50 J	<22	<10	220	640	540	<10
4-Nitroaniline	5	<25	<25	<55	<20	<25	<25	<250	<20
Acenaphthene	20	<10	2.0 J	3.0	<10	<10	<10	<100	<10
Acenaphthylene	- -	<10	<10	2.0 J	<10	<10	<10	<100	<10
Anthracene	50	0.20 J	0.20 J	0.40 J	<10	<10	<10	<100	<10
Benzo(a)anthracene	0.002	<10	<10	<22	<10	<10	<10	<100	<10
Benzo(a)pyrene	0	<10	<10	<22	<10	<10	<10	<100	<10
Benzo(b)fluoranthene	0.002	<10	<10	<22	<10	<10	<10	<100	<10
Benzo(g,h,i)perylene	- -	<10	<10	<22	<10	<10	<10	<100	<10
Benzo(k)fluoranthene	0.002	<10	<10	<22	<10	<10	<10	<100	<10
bis(2-Ethylhexyl)phthalate	5	4.0 J	2.0 JB	<22	<10	<10	<10	<100	<10
Butylbenzylphthalate	50	<10	<10	<22	<10	<10	<10	<100	<10
Detected Semivolatile Organics									
Carbazole	- -	<10	0.90 J	1.0 J	<10	<10	<10	<100	<10
Chrysene	0.002	<10	<10	<22	<10	<10	<10	<100	<10
Dibenzo(a,h)anthracene	- -	<10	<10	<22	<10	<10	<10	<100	<10
Dibenzofuran	- -	0.40 J	3.0 J	4.0 J	<10	<10	<10	<100	<10
Diethylphthalate	50	<10	0.40 J	<22	<10	<10	<10	<100	<10
Dimethylphthalate	50	<10	1.0 J	<22	<10	<10	<10	<100	<10
Di-n-Butylphthalate	50	0.20 J	0.60 JB	<22	<10	<10	<10	<100	<10
Di-n-Octylphthalate	50	<10	<10	<22	<10	<10	<10	<100	<10
Fluoranthene	50	<10	0.20 J	<22	<10	<10	<10	<100	<10
Fluorene	50	<10	2.0 J	2.0 J	<10	<10	<10	<100	<10
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<22	<10	<10	<10	<100	<10
Isophorone	50	<10	<10	<22	<10	<10	<10	<100	<10
Naphthalene	10	5.0 J	41	47	<10	2.0 J	2.0 J	2.0 J	<10
Phenanthrene	50	0.40 J	2.0 J	5.0 J	<10	<10	<10	<100	<10
Phenol	1	0.40 J	3.0 J	4.0 J	<10	180	170	150	<10
Pyrene	50	<10	0.20 J	<22	<10	<10	<10	<100	<10
Total PAHs	- -	14 J	120 J	160 J	<10	2.0 J	2.0 J	2.0 J	<10
Total SVOCs	- -	19 J	130 J	160 J	<50	400 J	810 J	690 J	<50

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-2S				MW-2D			
Date Collected:	Values	03/30/98	05/20/98	10/24/00	04/10/03	03/31/98	05/20/98	10/24/00	04/10/03
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.10	<0.15	NA	NA	<0.10	<0.17
4,4'-DDE	0.2	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
4,4'-DDT	0.2	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
Aldrin	0	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Alpha-BHC	0.01	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Alpha-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Beta-BHC	- -	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Delta-BHC	- -	NA	NA	0.0038 J	<0.050	NA	NA	0.011 J	<0.056
Dieldrin	0.004	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
Endosulfan I	- -	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Endosulfan II	- -	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
Endosulfan Sulfate	- -	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
Endrin	0	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
Endrin Aldehyde	5	NA	NA	<0.10	<0.10	NA	NA	<0.10	<0.11
Gamma-BHC (Lindane)	0.05	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Gamma-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Heptachlor	0.04	NA	NA	<0.050	<0.050	NA	NA	<0.050	0.022 J
Heptachlor Epoxide	0.03	NA	NA	<0.050	<0.050	NA	NA	<0.050	<0.056
Methoxychlor	35	NA	NA	<0.50	<0.50	NA	NA	<0.50	<0.56
Detected Inorganics									
Aluminum	- -	533	4,240	<20.0	<2,500	50,000	23,300	216	<12,500
Antimony	3	<4.00	<4.00	<10.0	<100	<8.00	<4.00	<50.0	<500
Arsenic	25	<2.00	4.20 B	<5.00	<200	42.8	42.8	<25.0	<1,000
Barium	1,000	33.2 BEN	91.6 B	86.8	<11.3	780 EN	784	1,050	288
Beryllium	- -	<1.00	<1.00	<5.00	<25.0	6.00 BN	4.60 B	<5.00	<125
Cadmium	5	1.10 BN	<1.00	<5.00	<50.0	8.70 BN	6.30	<5.00	<250
Calcium	- -	358,000 E	620,000	730,000	140,000	1,470,000 E	747,000	316,000	199,000
Chromium	50	1.20 BN	8.60 B	<2.00	<50.0	72.0 N	30.6	<10.0	<250
Detected Inorganics									
Cobalt	- -	<1.00	1.70 B	<2.00	<50.0	28.2 BN	12.1 B	<10.0	<250
Copper	200	2.40 B	25.8	<2.00	<50.0	178	85.2	13.4	<250
Cyanide	200	110	147	30.5	79.5	25.3	<10.0	<10.0	6.00 B
Cyanide, Available	- -	NA	NA	5	3	NA	NA	68	14
Iron	300	739 EN	4,880	107	<1,000	68,300 EN	26,200	236	<5,000
Lead	25	2.30 B	14.1	<4.00	<50.0	112 N	43.6	<20.0	<250
Magnesium	- -	9,450 E	6,990	71.5	<500	92,100 E	116,000	71,700	<2,500
Manganese	300	74.2 EN	350	<2.00	18.2 B	2,510 EN	1,270	62.0	<375
Mercury	0.7	0.260	0.410 N	<0.100	<0.200	0.840	0.720 N	<0.100	<0.200
Nickel	100	5.30 BN	8.60 B	<3.00	<50.0	84.2 N	38.8 B	<15.0	<250
Potassium	- -	6,620	13,200	16,900	<2,000	97,500	100,000	92,500	64,200
Selenium	10	<2.00	<2.00	<10.0	<150	7.20 BN	2.50 B	<50.0	<750
Silver	50	<1.00	<1.00	<2.00	<30.0	<2.00	<1.00	<10.0	<150
Sodium	- -	43,600 E	63,700	103,000	<2,000	151,000 E	<43.0	3,170,000	2,190,000
Thallium	- -	<3.00	<3.00	<12.0	<200	<6.00 N	<3.00	<60.0	<1,000
Vanadium	- -	2.60 BN	9.80 B	<2.00	<30.0	79.7 BN	35.9 B	<10.0	<150
Zinc	2,000	3.90 B	39.7	<10.0	<250	380	217	<50.0	<1,250
Detected Inorganics-Filtered									
Iron	300	NA	NA	100	<1,000	NA	NA	<100	<1,000
Manganese	300	NA	NA	<1.00	17.8 B	NA	NA	56.8	58.3 B
Detected Miscellaneous									
Alkalinity, CaCO3	- -	1,390,000	1,660,000	NA	NA	1,010,000	309,000	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	2,100	4,500	<2,000	510 JB	111,000	117,000	69,000	69,000 J
Carbon Dioxide by Headspace	- -	NA	NA	<600	2,100	NA	NA	102,100	<600
Carbon monoxide	- -	NA	NA	<400	<400	NA	NA	<400	<400
Carbonate, CaCO3	- -	<2,000	221,000	NA	NA	381,000	3,870	NA	NA
COD	- -	23,300	22,400	29,300	13,200	60,500	144,000	613,000	190,000
Chloride	250,000	23,900	182,000	177,000	160,000	16,500,000	<10,000,000	14,500,000	4,900,000
DOC Average Quads	- -	NA	NA	8,840	4,800	NA	NA	112,000	48,000
Hardness, Ca/CO3	- -	<1,000	1,580,000	NA	NA	4,050,000	6,640,000	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	1,810	4.3	NA	NA	13,060	14,000
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	10,000	<100	274	<100	8,300	100	<100	<100	<5,000
Nitrite Nitrogen	1,000	22	183	<100	<100	<5	12	<100	<5,000
Oil and Grease	- -	<1,000	2,600	NA	NA	<1,000	<1,000	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	710	4,800	NA	NA	700	500
pH	- -	10.3	12.54	NA	NA	9.71	8.32	NA	NA
Sulfate	250,000	77,100	120,000	150,000	120,000	275,000	<10,000	<1,000	2,300
Sulfide	50	<1,000	<1,000	<1,000	57,000	51,700	47,800	24,200	58,000
TOC Average Quads	- -	NA	NA	9,010	6,000	NA	NA	118,000	51,000
Total Dissolved Solids	1,000,000	170,000	1,700,000	NA	NA	34,000,000	42,800,000	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-3S					
Date Collected:	Values	03/30/98	05/20/98	10/24/00	04/09/03	02/07/06	02/25/13
Detected Volatile Organics							
1,1,1-Trichloroethane	5	<10	<10	<10	<5.0	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	<10	<5.0	NA	NA
1,1,2-Trichloroethane	1	<10	<10	<10	<5.0	NA	NA
1,1-Dichloroethane	5	<10	<10	<10	<5.0	NA	NA
2-Butanone	- -	<10	<10	<10	<10	NA	NA
2-Hexanone	50	<10	<10	<10	<10	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	<10	<10	NA	NA
Acetone	50	<10	14 B	1.0 J	<10	NA	NA
Benzene	1	<10	<10	0.50 J	<5.0	<0.40 H	<0.50
Bromodichloromethane	50	<10	<10	<10	<5.0	NA	NA
Bromoform	50	<10	<10	<10	<5.0	NA	NA
Bromomethane	5	<10	<10	<10	<5.0 J	NA	NA
Carbon Disulfide	- -	<10	<10	2.0 J	<5.0	NA	NA
Chlorobenzene	5	<10	<10	<10	<5.0	NA	NA
Chloroform	7	<10	<10	<10	<5.0	NA	NA
Chloromethane	- -	<10	<10	<10	<5.0 J	NA	NA
Dibromochloromethane	50	<10	<10	<10	<5.0	NA	NA
Ethylbenzene	5	14	0.70 J	2.0 J	<5.0 J	1.4 J	<1.0
Methylene Chloride	5	<10	<10	0.60 J	<0.40	NA	NA
Styrene	5	<10	<10	<10	<5.0	NA	NA
Tetrachloroethene	5	<10	<10	<10	<5.0	NA	NA
Toluene	5	<10	3.0 J	0.80 J	2.0 J	1.5 J	<1.0
Trichloroethene	5	<10	<10	<10	<5.0	NA	NA
Vinyl Chloride	2	<10	<10	<10	<5.0	NA	NA
Xylenes (total)	5	18	6.0 J	7.0 J	37	16	<1.0
Total BTEX	- -	32	9.7 J	10 J	39 J	19 J	<1.0
Total VOCs	- -	32	24 J	14 J	39 J	19 J	<1.0
Detected Semivolatile Organics							
2,4-Dimethylphenol	50	<10	<10	<10	<20	NA	NA
2,4-Dinitrophenol	10	<25	<25	<26	<100	NA	NA
2-Chloronaphthalene	10	<10	<10	<10	<20	NA	NA
2-Methylnaphthalene	- -	2.0 J	2.0 J	0.80 J	5.0 J	1.0 J	NA
2-Methylphenol	- -	<10	<10	<10	<20	NA	NA
2-Nitrophenol	- -	<10	<10	<10	<20	NA	NA
3,3'-Dichlorobenzidine	5	<10	<10	<10	<40	NA	NA
4-Methylphenol	- -	<10	<10	<10	<20	NA	NA
4-Nitroaniline	5	<25	<25	<26	<40	NA	NA
Acenaphthene	20	<10	<10	<10	<20	<0.90	NA
Acenaphthylene	- -	<10	<10	<10	<20	<0.90	NA
Anthracene	50	<10	0.080 J	<10	<20	<1.0	NA
Benzo(a)anthracene	0.002	<10	0.20 J	<10	<20	<1.0	NA
Benzo(a)pyrene	0	<10	<10	<10	<20	<1.0	NA
Benzo(b)fluoranthene	0.002	<10	<10	<10	<20	<2.0	NA
Benzo(g,h,i)perylene	- -	<10	<10	<10	<20	<1.0	NA
Benzo(k)fluoranthene	0.002	<10	<10	<10	<20	<1.0	NA
bis(2-Ethylhexyl)phthalate	5	<10	1.0 JB	<10	<20	NA	NA
Butylbenzylphthalate	50	<10	<10	<10	<20	NA	NA
Detected Semivolatile Organics							
Carbazole	- -	<10	<10	<10	<20	NA	NA
Chrysene	0.002	<10	0.10 J	<10	<20	<1.0	NA
Dibenzo(a,h)anthracene	- -	<10	<10	<10	<20	<2.0	NA
Dibenzofuran	- -	<10	<10	<10	<20	NA	NA
Diethylphthalate	50	<10	0.40 J	<10	<20	NA	NA
Dimethylphthalate	50	<10	<10	<10	<20	NA	NA
Di-n-Butylphthalate	50	<10	0.30 JB	0.20 J	<20	NA	NA
Di-n-Octylphthalate	50	<10	<10	<10	<20	NA	NA
Fluoranthene	50	<10	0.20 J	<10	<20	<1.0	NA
Fluorene	50	<10	<10	<10	<20	<0.90	NA
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<10	<20	<1.0	NA
Isophorone	50	<10	<10	<10	<20	NA	NA
Naphthalene	10	95	50	26	100	54	6.7
Phenanthrene	50	<10	0.20 J	<10	<20	<0.80	NA
Phenol	1	<10	0.30 J	<10	<20	NA	NA
Pyrene	50	<10	0.20 J	<10	<20	<1.0	NA
Total PAHs	- -	97 J	53 J	27 J	110 J	55 J	NA
Total SVOCs	- -	97 J	55 J	27 J	110 J	55 J	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-3S					
Date Collected:	Values	03/30/98	05/20/98	10/24/00	04/09/03	02/07/06	02/25/13
Detected Pesticides							
4,4'-DDD	0.3	NA	NA	<0.10	<0.15	NA	NA
4,4'-DDE	0.2	NA	NA	<0.10	<0.10	NA	NA
4,4'-DDT	0.2	NA	NA	<0.10	<0.10	NA	NA
Aldrin	0	NA	NA	<0.050	<0.050	NA	NA
Alpha-BHC	0.01	NA	NA	<0.050	<0.050	NA	NA
Alpha-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA
Beta-BHC	- -	NA	NA	<0.050	<0.050	NA	NA
Delta-BHC	- -	NA	NA	<0.050	<0.050	NA	NA
Dieldrin	0.004	NA	NA	<0.10	<0.10	NA	NA
Endosulfan I	- -	NA	NA	<0.050	<0.050	NA	NA
Endosulfan II	- -	NA	NA	<0.10	<0.10	NA	NA
Endosulfan Sulfate	- -	NA	NA	<0.10	<0.10	NA	NA
Endrin	0	NA	NA	<0.10	<0.10	NA	NA
Endrin Aldehyde	5	NA	NA	0.0076 J	<0.10	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.050	<0.050	NA	NA
Gamma-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA
Heptachlor	0.04	NA	NA	<0.050	<0.050	NA	NA
Heptachlor Epoxide	0.03	NA	NA	<0.050	<0.050	NA	NA
Methoxychlor	35	NA	NA	<0.50	<0.50	NA	NA
Detected Inorganics							
Aluminum	- -	4,530	752	NA	<2,500	NA	NA
Antimony	3	6.30 B	<4.00	<5.00	<100	NA	NA
Arsenic	25	25.1	2.80 B	9.30	<200	NA	NA
Barium	1,000	174 BEN	104 B	19.8	<15.8	NA	NA
Beryllium	- -	1.10 BN	<1.00	<5.00	<25.0	NA	NA
Cadmium	5	1.30 BN	<1.00	<5.00	<50.0	NA	NA
Calcium	- -	635,000 E	762,000	126,000	106,000	NA	NA
Chromium	50	9.50 BN	1.80 B	2.80	<50.0	NA	NA
Detected Inorganics							
Cobalt	- -	2.70 BN	<1.00	1.10	<50.0	NA	NA
Copper	200	52.9	3.30 B	7.10	<50.0	NA	NA
Cyanide	200	193	294	210	172	110	150
Cyanide, Available	- -	NA	NA	<2	3	<2	21
Iron	300	5,210 EN	1,080	717	<1,000	NA	317
Lead	25	22.4 N	1.30 B	2.20	<50.0	NA	NA
Magnesium	- -	24,200	1,330 B	22,000	42,100	NA	NA
Manganese	300	498 EN	53.7	102	<75.0	NA	229
Mercury	0.7	0.260	2.30 N	<0.100	<0.200	NA	NA
Nickel	100	14.3 BN	4.50 B	2.60	<50.0	NA	NA
Potassium	- -	33,800	45,200	43,400	27,500 J	NA	NA
Selenium	10	4.40 BN	2.70 B	<5.00	<150	NA	NA
Silver	50	<1.00	<1.00	<1.00	<30.0	NA	NA
Sodium	- -	53,800 E	95,400	103,000	96,300	NA	NA
Thallium	- -	<3.00	<3.00	<6.00	<200	NA	NA
Vanadium	- -	11.0 BN	2.20 B	3.40	<30.0	NA	NA
Zinc	2,000	73.7	17.9 B	28.4	<250	NA	NA
Detected Inorganics-Filtered							
Iron	300	NA	NA	47.2	<1,000	NA	NA
Manganese	300	NA	NA	24.4	5.80 B	NA	NA
Detected Miscellaneous							
Alkalinity, CaCO3	- -	4,200,000	385,000	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	52 B
BOD	- -	3,000	<2,000	<2,000	2,600 J	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	1,570	3,100	NA	2,040
Carbon monoxide	- -	NA	NA	<400	<400	NA	NA
Carbonate, CaCO3	- -	3,150,000	61,200	NA	NA	NA	NA
COD	- -	32,000	14,100	<10,000	10,400	NA	NA
Chloride	250,000	88,400	156,000	220,000	210,000	NA	NA
DOC Average Quads	- -	NA	NA	1,870	3,700	NA	NA
Hardness, Ca/CO3	- -	1,680,000	1,910,000	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	<70	55	NA	292
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	<8	130
Nitrate Nitrogen	10,000	2,190	608	<100	6,100	NA	130
Nitrite Nitrogen	1,000	204	321	<100	<100	NA	2.7 B
Oil and Grease	- -	<1,000	<1,000	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	39 B
Oxygen	- -	NA	NA	1,730	3,400	NA	NA
pH	- -	12.3	11.93	NA	NA	NA	NA
Sulfate	250,000	217,000	292,000	246,000	150,000	143,000	83,600
Sulfide	50	<1,000	<1,000	<1,000	<1,000	NA	<2,000
TOC Average Quads	- -	NA	NA	2,790	4,700	NA	4,900
Total Dissolved Solids	1,000,000	960,000	1,050,000	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-3D							
Date Collected:	Values	03/30/98	05/20/98	10/24/00	04/09/03	02/06/06	03/24/08	12/06/10	02/25/13
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
1,1-Dichloroethane	5	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
2-Butanone	- -	<10 [<10]	<10 [<10]	<20	<10	NA	NA	NA	NA
2-Hexanone	50	<10 [<10]	<10 [<10]	<20	<10	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10 [<10]	<10 [<10]	<20	<10	NA	NA	NA	NA
Acetone	50	<10 [<10]	<10 [<10]	7.0 J	27 J	NA	NA	NA	NA
Benzene	1	20 J [16 J]	13 J [15 J]	13 J	22	19	16	18	18
Bromodichloromethane	50	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Bromoform	50	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Bromomethane	5	<10 [<10]	<10 [<10]	<20	<5.0 J	NA	NA	NA	NA
Carbon Disulfide	- -	<10 [<10]	<10 [<10]	0.80 J	<5.0	NA	NA	NA	NA
Chlorobenzene	5	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Chloroform	7	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Chloromethane	- -	<10 [<10]	<10 [<10]	<20	2.0 J	NA	NA	NA	NA
Dibromochloromethane	50	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Ethylbenzene	5	110 [100]	94 [100]	88	51	52	52	62	86
Methylene Chloride	5	<10 [<10]	<10 [<10]	2.0 J	<5.0	NA	NA	NA	NA
Styrene	5	<10 [40 J]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Tetrachloroethene	5	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Toluene	5	84 [64]	64 [71]	49	46	42	48	43	45
Trichloroethene	5	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Vinyl Chloride	2	<10 [<10]	<10 [<10]	<20	<5.0	NA	NA	NA	NA
Xylenes (total)	5	1,100 [960]	1,000 [1,200]	870	560	590	690 D	610	630
Total BTEX	- -	1,300 J [1,100 J]	1,200 J [1,400 J]	1,000 J	680	700	810	730	780
Total VOCs	- -	1,300 J [1,200 J]	1,200 J [1,400 J]	1,000 J	710 J	700	810	730	780
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25 [<25]	<25 [<25]	<1,400	<2,500	NA	NA	NA	NA
2-Chloronaphthalene	10	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
2-Methylnaphthalene	- -	41 J [45 J]	56 J [54 J]	54	81 J	74 J	38	33	NA
2-Methylphenol	- -	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
2-Nitrophenol	- -	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10 [<10]	<10 [<10]	<560	<1,000	NA	NA	NA	NA
4-Methylphenol	- -	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
4-Nitroaniline	5	<25 [<25]	<25 [<25]	<1,400	<1,000	NA	NA	NA	NA
Acenaphthene	20	<10 [<10]	<10 [<10]	<560	<500	<40	<10	<4.0	NA
Acenaphthylene	- -	<10 [<10]	<10 [<10]	<560	<500	<38	<10	<4.0	NA
Anthracene	50	<10 [<10]	<10 [<10]	<560	<500	<50	<10	<4.0	NA
Benzo(a)anthracene	0.002	<10 [<10]	<10 [<10]	<560	<500	<60	<10	<4.0	NA
Benzo(a)pyrene	0	<10 [<10]	<10 [<10]	<560	<500	<54	<10	<4.0	NA
Benzo(b)fluoranthene	0.002	<10 [<10]	<10 [<10]	<560	<500	<77	<10	<4.0	NA
Benzo(g,h,i)perylene	- -	<10 [<10]	<10 [<10]	<560	<500	<52	<10	<4.0	NA
Benzo(k)fluoranthene	0.002	<10 [<10]	<10 [<10]	<560	<500	<46	<10	<4.0	NA
bis(2-Ethylhexyl)phthalate	5	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Butylbenzylphthalate	50	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Chrysene	0.002	<10 [<10]	<10 [<10]	<560	<500	<48	<10	<4.0	NA
Dibenzo(a,h)anthracene	- -	<10 [<10]	<10 [<10]	<560	<500	<67	<10	<4.0	NA
Dibenzofuran	- -	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Diethylphthalate	50	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Dimethylphthalate	50	<10 [<10]	<10 [8.0 J]	<560	<500	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Fluoranthene	50	<10 [<10]	<10 [<10]	<560	<500	<54	<10	<4.0	NA
Fluorene	50	<10 [<10]	<10 [<10]	<560	<500	<38	<10	<4.0	NA
Indeno(1,2,3-cd)pyrene	0.002	<10 [<10]	<10 [<10]	<560	<500	<58	<10	<4.0	NA
Isophorone	50	<10 [<10]	<10 [<10]	<560	<500	NA	NA	NA	NA
Naphthalene	10	2,300 [2,800]	2,300 [2,000]	2,200	2,300	2,600	1,400 D	1,000 D	2,800
Phenanthrene	50	<10 [<10]	<10 [<10]	<560	<500	<33	0.30 J	0.29 J	NA
Phenol	1	49 J [50 J]	40 J [17 J]	13 J	<500	NA	NA	NA	NA
Pyrene	50	<10 [<10]	<10 [<10]	<560	<500	<50	<10	<4.0	NA
Total PAHs	- -	2,300 J [2,900 J]	2,400 J [2,100 J]	2,300	2,400 J	2,700 J	1,400 J	1,000 J	NA
Total SVOCs	- -	2,400 J [2,900 J]	2,400 J [2,100 J]	2,300 J	2,400 J	2,700 J	1,400 J	1,000 J	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-3D							
Date Collected:	Values	03/30/98	05/20/98	10/24/00	04/09/03	02/06/06	03/24/08	12/06/10	02/25/13
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.10	<0.15	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	<0.10	<0.10	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	<0.10	<0.10	NA	NA	NA	NA
Aldrin	0	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	0.0095 J	0.020 J	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	<0.10	<0.10	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	<0.10	<0.10	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	<0.10	<0.10	NA	NA	NA	NA
Endrin	0	NA	NA	<0.10	<0.10	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	<0.10	<0.10	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.050	0.30 J	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	<0.050	<0.050	NA	NA	NA	NA
Methoxychlor	35	NA	NA	<0.50	<0.50	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	3,740 [3,500]	675 [733]	<20.0	<2,500	NA	NA	NA	NA
Antimony	3	<4.00 [<4.00]	5.50 B [<4.00]	<10.0	<100	NA	NA	NA	NA
Arsenic	25	6.20 B [5.60 B]	<2.00 [2.00 B]	<5.00	<200	NA	NA	NA	NA
Barium	1,000	109 BEN [107 BEN]	96.0 B [97.6 B]	113	97.7	NA	NA	NA	NA
Beryllium	- -	<1.00 [<1.00]	<1.00 [<1.00]	<5.00	<25.0	NA	NA	NA	NA
Cadmium	5	<1.00 [<1.00]	<1.00 [<1.00]	<5.00	<50.0	NA	NA	NA	NA
Calcium	- -	666,000 E [669,000 E]	594,000 [611,000]	783,000	821,000	NA	NA	NA	NA
Chromium	50	6.30 BN [5.90 BN]	1.10 B [1.00 B]	<2.00	<50.0	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	1.40 BN [1.60 BN]	<1.00 [<1.00]	<2.00	<50.0	NA	NA	NA	NA
Copper	200	9.90 B [10.2 B]	3.10 B [2.70 B]	<2.00	<50.0	NA	NA	NA	NA
Cyanide	200	<10.0 [<10.0]	<10.0 [<10.0]	<10.0	<10.0	29.2	NA	NA	26.0
Cyanide, Available	- -	NA	NA	4	<2	<2	NA	NA	4.5
Iron	300	4,690 EN [4,680 EN]	854 [888]	40.0	<1,000	NA	NA	NA	26.0 B
Lead	25	7.50 [8.00]	<1.00 [<1.00]	<4.00	<50.0	NA	NA	NA	NA
Magnesium	- -	4,660 BE [4,610 BE]	1,060 B [1,220 B]	34.4	<156	NA	NA	NA	NA
Manganese	300	184 EN [182 EN]	41.8 [47.9]	<2.00	<75.0	NA	NA	NA	<15.0
Mercury	0.7	0.260 [0.380]	0.310 N [0.310 N]	<0.100	0.540	NA	NA	NA	NA
Nickel	100	9.00 BN [8.30 BN]	2.80 N [3.30 B]	<3.00	<50.0	NA	NA	NA	NA
Potassium	- -	40,100 [40,300]	43,100 [43,800]	53,000	44,700 J	NA	NA	NA	NA
Selenium	10	2.70 BN [2.50 BN]	3.30 B [<2.00]	<10.0	<150	NA	NA	NA	NA
Silver	50	<1.00 [<1.00]	<1.00 [<1.00]	<2.00	<30.0	NA	NA	NA	NA
Sodium	- -	107,000 E [108,000 E]	79,300 [96,200]	150,000	192,000	NA	NA	NA	NA
Thallium	- -	<3.00 [<3.00]	<3.00 [<3.00]	<12.0	<200	NA	NA	NA	NA
Vanadium	- -	8.40 BN [8.00 BN]	1.70 B [1.80 B]	<2.00	<30.0	NA	NA	NA	NA
Zinc	2,000	19.0 B [18.7 B]	13.6 B [17.0 B]	10.7	<250	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	28.2	<1,000	NA	NA	NA	NA
Manganese	300	NA	NA	<1.00	<75.0	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	1,660,000 [1,640,000]	1,800,000 [1,820,000]	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	3,500
BOD	- -	14,400 [17,000]	22,200 [12,300]	<2,000	12,000 J	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	<600	<600	NA	NA	NA	<100
Carbon monoxide	- -	NA	NA	<400	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	4,300 [<2,000]	648,000 [313,000]	NA	NA	NA	NA	NA	NA
COD	- -	49,200 [49,200]	23,800 [89,000]	317,000	36,200	NA	NA	NA	NA
Chloride	250,000	241,000 [246,000]	252,000 [253,000]	215,000	270,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	8,180	12,000	NA	NA	NA	NA
Hardness, Ca/CO3	- -	1,680,000 [1,690,000]	1,490,000 [1,530,000]	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	2,330	1,600	NA	NA	NA	408
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	<8	NA	NA	490
Nitrate Nitrogen	10,000	<100 [<100]	364 [366]	<100	30 B	NA	NA	NA	320
Nitrite Nitrogen	1,000	187 [186]	247 [249]	<100	<100	NA	NA	NA	170
Oil and Grease	- -	NA	1,700 [1,400]	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	35 B
Oxygen	- -	NA	NA	690	2,200	NA	NA	NA	NA
pH	- -	12.6 [12.6]	12.44 [12.52]	NA	NA	NA	NA	NA	NA
Sulfate	250,000	83,700 [80,000]	87,800 [91,400]	92,700	100,000	64,700	NA	NA	88,500
Sulfide	50	9,500 [9,100]	2,290 [2,700]	<1,000	2,700	NA	NA	NA	1,400 B
TOC Average Quads	- -	NA	NA	9,440	15,000	NA	NA	NA	7,700
Total Dissolved Solids	1,000,000	1,840,000 [1,830,000]	2,000,000 [2,020,000]	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-3D2	MW-4S							
Date Collected:	Values	04/10/03	03/31/98	05/21/98	10/26/00	04/22/03	02/01/06	05/10/06	08/17/06	11/13/06
Detected Volatile Organics										
1,1,1-Trichloroethane	5	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
1,1-Dichloroethane	5	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
2-Butanone	- -	230	<10	<10	<10	6.0 J [7.0 J]	NA	NA	NA	NA
2-Hexanone	50	39 J	<10	<10	<10	<10 [<10]	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<100	<10	<10	<10	<10 [<10]	NA	NA	NA	NA
Acetone	50	1,300 J	12	23	<10	22 [22]	NA	NA	NA	NA
Benzene	1	<50	2.0 J	5.0 J	<10	0.70 J [0.90 J]	<0.40	<0.40	<0.40	<0.40
Bromodichloromethane	50	<50	<10	<10	4.0 J	<5.0 [<5.0]	NA	NA	NA	NA
Bromoform	50	<50	<10	<10	0.40 J	<5.0 [<5.0]	NA	NA	NA	NA
Bromomethane	5	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Carbon Disulfide	- -	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Chlorobenzene	5	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Chloroform	7	<50	<10	<10	17	2.0 J [2.0 J]	NA	NA	NA	NA
Chloromethane	- -	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Dibromochloromethane	50	<50	<10	<10	1.0 J	<5.0 [<5.0]	NA	NA	NA	NA
Ethylbenzene	5	<50	0.80 J	2.0 J	<10	0.60 J [0.60 J]	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<9.0	<10	<10	0.80 J	<5.0 [<5.0]	NA	NA	NA	NA
Styrene	5	<50	0.30 J	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Tetrachloroethene	5	<50	<10	<10	0.40 J	<5.0 [<5.0]	NA	NA	NA	NA
Toluene	5	<50	8.0 J	15	<10	3.0 J [4.0 J]	<0.30	<0.30	<0.30	0.38 J
Trichloroethene	5	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Vinyl Chloride	2	<50	<10	<10	<10	<5.0 [<5.0]	NA	NA	NA	NA
Xylenes (total)	5	<50	5.0 J	15	<10	4.0 J [3.0 J]	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -	<50	16 J	37 J	<10	8.3 J [8.5 J]	<1.0	<1.0	<1.0	0.38 J
Total VOCs	- -	1,600 J	28 J	60 J	24 J	38 J [40 J]	<1.0	<1.0	<1.0	0.38 J
Detected Semivolatile Organics										
2,4-Dimethylphenol	50	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
2,4-Dinitrophenol	10	<10,000	<25	<25	<27	<55 [<50]	NA	NA	NA	NA
2-Chloronaphthalene	10	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
2-Methylnaphthalene	- -	<2,000	2.0 J	4.0 J	<11	0.70 J [<10]	<0.60	<0.60	<0.60	<0.60
2-Methylphenol	- -	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
2-Nitrophenol	- -	<2,000	<10	3.0 J	<11	<11 [<10]	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<4,000	<10	<10	<11	<22 [<20]	NA	NA	NA	NA
4-Methylphenol	- -	14,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
4-Nitroaniline	5	<4,000	<25	<25	<27	<22 [<20]	NA	NA	NA	NA
Acenaphthene	20	<2,000	<10	<10	<11	<11 [<10]	<0.80	<0.80	<0.80	<0.80
Acenaphthylene	- -	<2,000	<10	<10	<11	<11 [<10]	<0.80	<0.80	<0.80	<0.80
Anthracene	50	<2,000	<10	<10	<11	0.60 J [<10]	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	0.002	<2,000	<10	<10	<11	<11 [<10]	<1.0	<1.0	<1.0	<0.80
Benzo(a)pyrene	0	<2,000	<10	<10	<11	<11 [<10]	<1.0	<1.0	<1.0	<0.50
Benzo(b)fluoranthene	0.002	<2,000	<10	<10	<11	<11 [<10]	<2.0	<2.0	<2.0	<1.0
Benzo(g,h,i)perylene	- -	<2,000	<10	<10	<11	<11 [<10]	<1.0	<1.0	<1.0	<0.30
Benzo(k)fluoranthene	0.002	<2,000	<10	<10	<11	<11 [<10]	<0.90	<0.90	<0.90	<0.90
bis(2-Ethylhexyl)phthalate	5	<2,000	<10	1.0 JB	<11	0.60 J [0.90 J]	NA	NA	NA	NA
Butylbenzylphthalate	50	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
Detected Semivolatile Organics										
Carbazole	- -	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
Chrysene	0.002	<2,000	<10	<10	<11	<11 [<10]	<1.0	<1.0	<1.0	<1.0
Dibenzo(a,h)anthracene	- -	<2,000	<10	<10	<11	<11 [<10]	<1.0	<1.0	<1.0	<0.20 J
Dibenzofuran	- -	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
Diethylphthalate	50	<2,000	<10	<10	0.40 J	<11 [0.40 J]	NA	NA	NA	NA
Dimethylphthalate	50	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
Di-n-Butylphthalate	50	<2,000	<10	<10	0.10 J	<11 [<10]	NA	NA	NA	NA
Di-n-Octylphthalate	50	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
Fluoranthene	50	<2,000	<10	0.50 J	<11	<11 [<10]	<1.0	<1.0	<1.0	<0.90
Fluorene	50	<2,000	<10	<10	<11	<11 [<10]	<0.80	<0.80	<0.80	<0.70
Indeno(1,2,3-cd)pyrene	0.002	<2,000	<10	<10	<11	<11 [<10]	<1.0	<1.0	<1.0	<0.30
Isophorone	50	<2,000	<10	<10	<11	<11 [<10]	NA	NA	NA	NA
Naphthalene	10	<2,000	3.0 J	9.0 J	0.20 J	1.0 J [<10]	<0.70	<0.70	<0.70	<0.40
Phenanthrene	50	<2,000	1.0 J	1.0 J	<11	<11 [<10]	<0.70	<0.70	<0.70	<0.70
Phenol	1	200 J	3.0 J	10	<11	0.60 J [<10]	NA	NA	NA	NA
Pyrene	50	<2,000	<10	0.50 J	0.10 J	<11 [<10]	<1.0	<1.0	<1.0	<1.0
Total PAHs	- -	<2,000	6.0 J	15 J	0.30 J	2.3 J [<10]	<2.0	<2.0	<2.0	<1.0
Total SVOCs	- -	14,000 J	9.0 J	29 J	0.80 J	3.5 J [1.3 J]	<2.0	<2.0	<2.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-3D2	MW-4S							
Date Collected:	Values	04/10/03	03/31/98	05/21/98	10/26/00	04/22/03	02/01/06	05/10/06	08/17/06	11/13/06
Detected Pesticides										
4,4'-DDD	0.3	<0.15	NA	NA	<0.11	<0.16 [<0.18]	NA	NA	NA	NA
4,4'-DDE	0.2	<0.10	NA	NA	<0.11	<0.11 [<0.12]	NA	NA	NA	NA
4,4'-DDT	0.2	<0.10	NA	NA	<0.11	<0.11 [<0.12]	NA	NA	NA	NA
Aldrin	0	<0.050	NA	NA	<0.057	<0.055 [0.0074 J]	NA	NA	NA	NA
Alpha-BHC	0.01	<0.050	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Alpha-Chlordane	0.05	0.015 J	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Beta-BHC	- -	<0.050	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Delta-BHC	- -	0.080 J	NA	NA	0.0051 J	<0.055 [<0.059]	NA	NA	NA	NA
Dieldrin	0.004	<0.10	NA	NA	<0.11	0.015 J [0.015 J]	NA	NA	NA	NA
Endosulfan I	- -	<0.050	NA	NA	<0.057	0.041 J [0.061]	NA	NA	NA	NA
Endosulfan II	- -	<0.10	NA	NA	<0.11	<0.11 [<0.12]	NA	NA	NA	NA
Endosulfan Sulfate	- -	<0.10	NA	NA	<0.11	<0.11 [<0.12]	NA	NA	NA	NA
Endrin	0	<0.10	NA	NA	<0.11	<0.11 [<0.12]	NA	NA	NA	NA
Endrin Aldehyde	5	<0.10	NA	NA	<0.11	<0.11 [<0.12]	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	<0.050	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Gamma-Chlordane	0.05	<0.050	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Heptachlor	0.04	<0.050	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Heptachlor Epoxide	0.03	<0.050	NA	NA	<0.057	<0.055 [<0.059]	NA	NA	NA	NA
Methoxychlor	35	<0.50	NA	NA	<0.57	<0.55 [<0.59]	NA	NA	NA	NA
Detected Inorganics										
Aluminum	- -	<12,500	27,500	11,000	409	<5,000 [581 B]	NA	NA	NA	NA
Antimony	3	<500	5.70 B	<4.00	<5.00	<200 [<100]	NA	NA	NA	NA
Arsenic	25	<1,000	18.0	7.60 B	<2.50	<400 [<200]	NA	NA	NA	NA
Barium	1,000	4,230	419 EN	329	38.9	51.9 EJ [48.5 EJ]	NA	NA	NA	NA
Beryllium	- -	<125	3.10 BN	1.20 B	<5.00	<50.0 [<25.0]	NA	NA	NA	NA
Cadmium	5	<250	3.60 BN	4.80 B	<5.00	<100 [<50.0]	NA	NA	NA	NA
Calcium	- -	2,430,000	950,000 E	440,000	57,400	96,600 EJ [106,000 EJ]	NA	NA	NA	NA
Chromium	50	<250	32.5 N	10.6	<1.00	<100 [<50.0]	NA	NA	NA	NA
Detected Inorganics										
Cobalt	- -	<250	11.3 BN	3.40 B	<1.00	<100 [<50.0]	NA	NA	NA	NA
Copper	200	<250	129	59.4	1.10	<100 [17.3 B]	NA	NA	NA	NA
Cyanide	200	<10.0	55.1	49.0	<10.0	28.7 [29.0]	<1.00	<1.00	<1.30	30.2 J
Cyanide, Available	- -	28	NA	NA	<2	<2 [<2]	<2	NA	NA	NA
Iron	300	1,400 B	25,900 EN	9,340	13.0	<2,000 [<1,000]	NA	NA	NA	NA
Lead	25	<250	58.6	28.4	<2.00	<100 [<50.0]	NA	NA	NA	NA
Magnesium	- -	32,500	52,400 E	17,500	2,190	3,040 EJ [3,040 EJ]	NA	NA	NA	NA
Manganese	300	<375	2,300 EN	706	<1.00	<150 [15.4 B]	NA	NA	NA	NA
Mercury	0.7	<0.200	0.840	0.620 N	<0.100	<0.200 J [<0.200 J]	NA	NA	NA	NA
Nickel	100	85.9 B	78.7 N	11.6 B	<1.50	<100 [<50.0]	NA	NA	NA	NA
Potassium	- -	773,000 J	24,400	16,400	2,630	4,080 [4,250]	NA	NA	NA	NA
Selenium	10	<750	8.10 N	3.40 B	<5.00	<300 [<150]	NA	NA	NA	NA
Silver	50	<150	<1.00	<1.00	<1.00	<60.0 [<30.0]	NA	NA	NA	NA
Sodium	- -	5,300,000	64,600 E	41,300	11,400	72,100 [70,900]	NA	NA	NA	NA
Thallium	- -	<1,000	<3.00	<3.00	<6.00	<400 [<200]	NA	NA	NA	NA
Vanadium	- -	<150	38.9 BN	13.6 B	2.30	<60.0 [<30.0]	NA	NA	NA	NA
Zinc	2,000	<1,250	158	62.4	<5.00	<500 [<250]	NA	NA	NA	NA
Detected Inorganics-Filtered										
Iron	300	<1,000	NA	NA	<10.0	<2,000 [<2,000]	NA	NA	NA	NA
Manganese	300	<75.0	NA	NA	<1.00	<150 [<150]	NA	NA	NA	NA
Detected Miscellaneous										
Alkalinity, CaCO3	- -	NA	2,620,000	800,000	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	>233,100 J	<2,000	<2,000	<2,000	3,200 [6,300]	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	<600	NA	NA	<600	<600 [<600]	NA	NA	NA	NA
Carbon monoxide	- -	<400	NA	NA	<400	<400 [<400]	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	1,390,000	88,100	NA	NA	NA	NA	NA	NA
COD	- -	1,080,000	21,200	<10,000	<10,000	25,200 [31,300]	NA	NA	NA	NA
Chloride	250,000	77,000,000	61,300	69,700	16,600	220,000 [220,000]	NA	NA	NA	NA
DOC Average Quads	- -	40,000	NA	NA	1,430	5,000 [5,100]	NA	NA	NA	NA
Hardness, Ca/CO3	- -	NA	2,590,000	1,170,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	5,600	NA	NA	<70	8.9 [9.1]	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	NA	649	NA	NA	NA
Nitrate Nitrogen	10,000	<5,000	540	1,820	376	810 [810]	NA	NA	NA	NA
Nitrite Nitrogen	1,000	<25,000	786	1,160	215	400 [440]	NA	NA	NA	NA
Oil and Grease	- -	NA	<1,000	6,400	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	460	NA	NA	5,500	3,500 [9,300]	NA	NA	NA	NA
pH	- -	NA	12.5	12.33	NA	NA	NA	NA	NA	NA
Sulfate	250,000	190,000	29,700	17,700	36,000	96,000 [96,000]	18,100	NA	NA	NA
Sulfide	50	4,800	<2,000	<1,000	<1,000	<4,000 [<4,000]	NA	NA	NA	NA
TOC Average Quads	- -	43,000	NA	NA	1,910	5,300 [5,300]	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	860,000	926,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-4D							
Date Collected:	Values	03/31/98	05/21/98	10/26/00	04/22/03	02/06/06	05/12/06	08/15/06	11/16/06
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
2-Butanone	- -	15 J	<10	22 J [22 J]	29 J	NA	NA	NA	NA
2-Hexanone	50	<10	<10	<50 [<50]	<50	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	3.0 JB	<10	<50 [<50]	<50	NA	NA	NA	NA
Acetone	50	180	200	170 [100]	180	NA	NA	NA	NA
Benzene	1	340	390	510 [570]	160	270	270	150	440
Bromodichloromethane	50	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Bromoform	50	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Bromomethane	5	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Carbon Disulfide	- -	<10	<10	18 J [4.0 J]	<25	NA	NA	NA	NA
Chlorobenzene	5	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Chloroform	7	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Chloromethane	- -	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Dibromochloromethane	50	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Ethylbenzene	5	5.0 J	6.0 J	10 J [11 J]	27	12	13 J	38	17 J
Methylene Chloride	5	<10	<10	18 J [10 J]	<25	NA	NA	NA	NA
Styrene	5	<10	<10	<50 [<50]	56	NA	NA	NA	NA
Tetrachloroethene	5	<10	<10	7.0 J [2.0 J]	<25	NA	NA	NA	NA
Toluene	5	42	50	110 [120]	130	95	110	320	110
Trichloroethene	5	<10	<10	8.0 J [1.0 J]	<25	NA	NA	NA	NA
Vinyl Chloride	2	<10	<10	<50 [<50]	<25	NA	NA	NA	NA
Xylenes (total)	5	45	56	81 [94]	300	120	150	490	180
Total BTEX	- -	430 J	500 J	710 J [800 J]	620	500	540 J	1,000	750 J
Total VOCs	- -	630 J	700 J	950 J [930 J]	880 J	500	540 J	1,000	750 J
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	4.0 J	5.0 J	6.0 J [5.0 J]	<590	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25	<25	<54 [<50]	<2,900	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	<10	<22 [<20]	<590	NA	NA	NA	NA
2-Methylnaphthalene	- -	4.0 J	4.0 J	2.0 J [2.0 J]	130 J	32 J	23 J	21 J	37 J
2-Methylphenol	- -	1.0 J	2.0 J	4.0 J [4.0 J]	<590	NA	NA	NA	NA
2-Nitrophenol	- -	<10	<10	<22 [<20]	<590	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10	<10	<22 [<20]	<1,200	NA	NA	NA	NA
4-Methylphenol	- -	6.0 J	8.0 J	16 J [15 J]	<590	NA	NA	NA	NA
4-Nitroaniline	5	<25	<25	<54 [<50]	<1,200	NA	NA	NA	NA
Acenaphthene	20	<10	<10	<22 [<20]	<590	<20	<16	<8.0	<9.0
Acenaphthylene	- -	0.50 J	0.50 J	0.20 J [0.20 J]	42 J	<19	<15	<8.0	10 J
Anthracene	50	<10	<10	<22 [<20]	<590	<25	<20	<10	<11
Benzo(a)anthracene	0.002	<10	<10	<22 [<20]	<590	<30	<24	<12	<8.0
Benzo(a)pyrene	0	<10	<10	<22 [<20]	<590	<27	<22	<11	<5.0
Benzo(b)fluoranthene	0.002	<10	<10	<22 [<20]	<590	<38	<31	<15	<10
Benzo(g,h,i)perylene	- -	<10	<10	<22 [<20]	<590	<26	<21	<10	<3.0
Benzo(k)fluoranthene	0.002	<10	<10	<22 [<20]	<590	<23	<18	<9.0	<10
bis(2-Ethylhexyl)phthalate	5	0.80 J	1.0 JB	<22 [0.50 J]	<590	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	<10	<22 [<20]	<590	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	<10	<10	<22 [<20]	30 J	NA	NA	NA	NA
Chrysene	0.002	<10	<10	<22 [<20]	<590	<24	<19	<10	<13
Dibenzo(a,h)anthracene	- -	<10	<10	<22 [<20]	<590	<34	<27	<13	<3.0
Dibenzofuran	- -	<10	<10	<22 [<20]	<590	NA	NA	NA	NA
Diethylphthalate	50	<10	0.20 J	0.80 [0.80 J]	<590	NA	NA	NA	NA
Dimethylphthalate	50	<10	<10	<22 [<20]	<590	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10	0.20 JB	<22 [<20]	<590	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	<10	<22 [<20]	<590	NA	NA	NA	NA
Fluoranthene	50	<10	<10	<22 [<20]	<590	<27	<22	<11	<10
Fluorene	50	<10	<10	<22 [<20]	<590	<19	<15	<8.0	<8.0
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<22 [<20]	<590	<29	<23	<12	<3.0
Isophorone	50	<10	0.20 J	<22 [<20]	<590	NA	NA	NA	NA
Naphthalene	10	55	60	91 [88]	2,900	710	810	570	760
Phenanthrene	50	<10	<10	<22 [<20]	<590	<16	<13	<7.0	<8.0
Phenol	1	27	39	100 [97]	55 J	NA	NA	NA	NA
Pyrene	50	<10	<10	<22 [<20]	<590	<25	<20	<10	<11
Total PAHs	- -	60 J	65 J	93 J [90 J]	3,100 J	740 J	830 J	590 J	810 J
Total SVOCs	- -	98 J	120 J	220 J [210 J]	3,200 J	740 J	830 J	590 J	810 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-4D							
Date Collected:	Values	03/31/98	05/21/98	10/26/00	04/22/03	02/06/06	05/12/06	08/15/06	11/16/06
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.11 [<0.11]	<0.17	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
Aldrin	0	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	<0.054 [<0.054]	0.036 J	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
Endrin	0	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	<0.11 [<0.11]	<0.11	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	<0.054 [<0.054]	0.0094 J	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	<0.054 [<0.054]	<0.056	NA	NA	NA	NA
Methoxychlor	35	NA	NA	<0.54 [<0.54]	<0.56	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	1,520	11,900	<100 [<100]	<2,500	NA	NA	NA	NA
Antimony	3	<4.00	<80.0	<50.0 [<50.0]	<100	NA	NA	NA	NA
Arsenic	25	6.50 B	<40.0	<25.0 [<25.0]	<200	NA	NA	NA	NA
Barium	1,000	118 BEN	484 B	418 [388]	216 EJ	NA	NA	NA	NA
Beryllium	- -	3.80 BN	<20.0	<5.00 [<5.00]	<25.0	NA	NA	NA	NA
Cadmium	5	<1.00	<20.0	<5.00 [<5.00]	<50.0	NA	NA	NA	NA
Calcium	- -	238,000 E	1,070,000	1,130,000 [1,080,000]	695,000 EJ	NA	NA	NA	NA
Chromium	50	1.60 BN	<20.0	<10.0 [<10.0]	<50.0	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	1.40 BN	<20.0	<10.0 [<10.0]	<50.0	NA	NA	NA	NA
Copper	200	3.60 B	<20.0	22.1 [0]	<50.0	NA	NA	NA	NA
Cyanide	200	14.4	<10.0	<10.0 [<10.0]	21.3	17.5	13.3	<1.30	R
Cyanide, Available	- -	NA	NA	<2	4	<2	NA	NA	NA
Iron	300	1,200 EN	5,800	103 [<100]	<1,000	NA	NA	NA	NA
Lead	25	1.80 B	<20.0	<20.0 [<20.0]	<50.0	NA	NA	NA	NA
Magnesium	- -	15,800 E	91,300 B	65,000 [61,000]	101,000 EJ	NA	NA	NA	NA
Manganese	300	64.8 EN	252 B	113 [106]	46.3 B	NA	NA	NA	NA
Mercury	0.7	<0.200	0.310 N	<0.100 [<0.100]	<0.200 J	NA	NA	NA	NA
Nickel	100	2.80 BN	292 B	<15.0 [<15.0]	<50.0	NA	NA	NA	NA
Potassium	- -	166,000	505,000	606,000 [551,000]	205,000	NA	NA	NA	NA
Selenium	10	<2.00	<40.0	<50.0 [<50.0]	<150	NA	NA	NA	NA
Silver	50	<1.00	<20.0	<10.0 [<10.0]	<30.0	NA	NA	NA	NA
Sodium	- -	1,160,000 E	2,900,000	3,690,000 [3,650,000]	4,850,000	NA	NA	NA	NA
Thallium	- -	<3.00	<60.0	<60.0 [<60.0]	<200	NA	NA	NA	NA
Vanadium	- -	2.10 BN	22.1 B	<10.0 [<10.0]	<30.0	NA	NA	NA	NA
Zinc	2,000	17.8 B	92.9 B	<50.0 [<50.0]	<250	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	<100 [<100]	<2,000	NA	NA	NA	NA
Manganese	300	NA	NA	82.1 [83.2]	54.4 B	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	384,000	88,900	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	57,600	81,000	81,000 [87,000]	62,000	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	15,620	120,000	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	<400	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	6,500	<2,000	NA	NA	NA	NA	NA	NA
COD	- -	518,000	352,000	2,020,000 [1,830,000]	489,000	NA	NA	NA	NA
Chloride	250,000	41,900,000	<10,000,000	47,000,000 [45,600,000]	33,000,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	33,200 [34,000]	40,000	NA	NA	NA	NA
Hardness, Ca/CO3	- -	659,000	3,040,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	6,860	6,700	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	<4,000	NA	NA	NA
Nitrate Nitrogen	10,000	110	<100	<100 [<100]	<5,000	NA	NA	NA	NA
Nitrite Nitrogen	1,000	<5	<5	<100 [<100]	<25,000	NA	NA	NA	NA
Oil and Grease	- -	<1,000	<1,000	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	1,070	520	NA	NA	NA	NA
pH	- -	8.42	8.12	NA	NA	NA	NA	NA	NA
Sulfate	250,000	599,000	209,000	405,000 [403,000]	560,000	617,000	NA	NA	NA
Sulfide	50	68,800	62,400	70,500 [68,100]	78,000	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	34,800 [34,300]	40,000	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	59,200,000	71,300,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-5S					MW-5D				
Date Collected:	Values	03/30/98	05/20/98	10/26/00	04/09/03	02/02/06	03/30/98	05/20/98	10/26/00	04/10/03	01/25/06
Detected Volatile Organics											
1,1,1-Trichloroethane	5	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
1,1,2-Trichloroethane	1	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
1,1-Dichloroethane	5	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
2-Butanone	- -	<10	<10	<10	<10 [<10]	NA	<10	<10	8.0 J	<10	NA
2-Hexanone	50	<10	<10	<10	<10 [<10]	NA	<10	<10	<10	<10	NA
4-Methyl-2-pentanone	- -	<10	<10	<10	<10 [<10]	NA	<10	<10	<10	<10	NA
Acetone	50	<10	<10	10	<10 [<10]	NA	48	28 B	24	19 J	NA
Benzene	1	3.0 J	5.0 J	3.0 J	<5.0 [<5.0]	<0.40	16	14	12	12	2.0 J [1.9 J]
Bromodichloromethane	50	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Bromoform	50	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Bromomethane	5	<10	<10	<10	<5.0 J [<5.0]	NA	<10	<10	<10	<5.0 J	NA
Carbon Disulfide	- -	<10	<10	0.10 J	<5.0 [<5.0]	NA	17	<10	1.0	<5.0	NA
Chlorobenzene	5	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Chloroform	7	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Chloromethane	- -	<10	<10	<10	<5.0 J [<5.0 J]	NA	<10	<10	<10	<5.0 J	NA
Dibromochloromethane	50	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Ethylbenzene	5	<10	<10	0.30 J	<5.0 [<5.0]	<1.0	10	8.0 J	6.0	13	2.5 J [2.5 J]
Methylene Chloride	5	<10	<10	2.0	<0.40 [<0.40]	NA	<10	<10	0.60 J	0.50 J	NA
Styrene	5	<10	0.90 J	<10	<5.0 [<5.0]	NA	<10	<10	<10	<10	NA
Tetrachloroethene	5	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Toluene	5	4.0 J	8.0 J	2.0 J	<5.0 [<5.0]	<0.30	26	30	20	26	3.7 J [4.0 J]
Trichloroethene	5	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Vinyl Chloride	2	<10	<10	<10	<5.0 [<5.0]	NA	<10	<10	<10	<5.0	NA
Xylenes (total)	5	<10	8.0 J	1.0 J	<5.0 [<5.0]	<1.0	62	61	35	110	16 [16]
Total BTEX	- -	7.0 J	21 J	6.3 J	<5.0 [<5.0]	<1.0	110	110 J	73	160	24 J [24 J]
Total VOCs	- -	7.0 J	22 J	18 J	<10 [<10]	<1.0	180	140 J	110 J	180 J	24 J [24 J]
Detected Semivolatile Organics											
2,4-Dimethylphenol	50	<10	1.0 J	<10	<12 [<11]	NA	1.0 J	1.0 J	2.0 J	<40	NA
2,4-Dinitrophenol	10	<25	<25	<25	<62 [<55]	NA	<25	<25	<26	<200	NA
2-Chloronaphthalene	10	<10	<10	<10	<12 [<11]	NA	<10	<10	<11	<40	NA
2-Methylnaphthalene	- -	3.0 J	3.0 J	0.20 J	<12 [<11]	<0.60	12 J	14 J	13	22 J	8.0 J [8.0 J]
2-Methylphenol	- -	1.0 J	3.0 J	1.0 J	<12 [<11]	NA	2.0 J	2.0 J	3.0 J	<40	NA
2-Nitrophenol	- -	<10	<10	<10	<12 [<11]	NA	<10	<10	<11	<40	NA
3,3'-Dichlorobenzidine	5	<10	<10	<10	<25 [<22]	NA	<10	<10	<11	<80	NA
4-Methylphenol	- -	0.80 J	2.0 J	1.0 J	<12 [<11]	NA	5.0 J	5.0 J	4.0 J	<40	NA
4-Nitroaniline	5	<25	<25	<25	<25 [<22]	NA	<25	<25	<26	<80	NA
Acenaphthene	20	<10	0.20 J	<10	<12 [<11]	<0.80	0.70 J	0.90 J	1.0 J	2.0 J	1.0 J [<0.80]
Acenaphthylene	- -	0.30 J	0.30 J	<10	<12 [<11]	<0.80	3.0 J	3.0 J	3.0 J	3.0 J	2.0 J [2.0 J]
Anthracene	50	0.090 J	0.10 J	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Benzo(a)anthracene	0.002	<10	0.30 J	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Benzo(a)pyrene	0	<10	0.30 J	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Benzo(b)fluoranthene	0.002	<10	0.20 J	<10	<12 [<11]	<2.0	<10	<10	<11	<40	<2.0 [<2.0]
Benzo(g,h,i)perylene	- -	<10	<10	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Benzo(k)fluoranthene	0.002	<10	0.30 J	<10	<12 [<11]	<0.90	<10	<10	<11	<40	<0.90 [<0.90]
bis(2-Ethylhexyl)phthalate	5	2.0 J	0.90 JB	0.40 J	<12 [<11]	NA	2.0 J	0.90 JB	0.40 J	<40	NA
Butylbenzylphthalate	50	<10	<10	<10	<12 [<11]	NA	<10	<10	<11	<40	NA
Detected Semivolatile Organics											
Carbazole	- -	<10	0.20 J	<10	<12 [<11]	NA	<10	<10	0.80 J	<40	NA
Chrysene	0.002	<10	0.30 J	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Dibenzo(a,h)anthracene	- -	<10	<10	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Dibenzofuran	- -	<10	0.20 J	<10	<12 [<11]	NA	<10	<10	0.30 J	<40	NA
Diethylphthalate	50	<10	0.20 J	0.80 J	<12 [<11]	NA	<10	<10	<11	<40	NA
Dimethylphthalate	50	<10	<10	<10	<12 [<11]	NA	<10	<10	<11	<40	NA
Di-n-Butylphthalate	50	0.40 J	0.30 JB	<10	<12 [<11]	NA	0.50 J	<10	<11	<40	NA
Di-n-Octylphthalate	50	<10	<10	<10	<12 [<11]	NA	<10	<10	<11	<40	NA
Fluoranthene	50	<10	0.30 J	0.10 J	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Fluorene	50	<10	<10	<10	<12 [<11]	<0.80	<10	0.50 J	1.0 J	<40	0.90 J [0.90 J]
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<10	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Isophorone	50	<10	<10	<10	<12 [<11]	NA	<10	<10	<11	<40	NA
Naphthalene	10	7.0 J	9.0 J	1.0 J	<12 [<11]	<0.70	110	99	72	180	45 [43]
Phenanthrene	50	0.40 J	0.60 J	0.10 J	<12 [<11]	<0.70	<10	<10	<11	<40	<0.70 [<0.70]
Phenol	1	0.50 J	1.0 J	0.40 J	<12 [<11]	NA	2.0 J	2.0 J	<11	4.0 J	NA
Pyrene	50	<10	0.30 J	0.10 J	<12 [<11]	<1.0	<10	<10	<11	<40	<1.0 [<1.0]
Total PAHs	- -	11 J	15 J	1.5 J	<12 [<11]	<2.0	130 J	120 J	90 J	210 J	57 J [54 J]
Total SVOCs	- -	16 J	24 J	5.1 J	<62 [<55]	<2.0	140 J	130 J	100 J	210 J	57 J [54 J]

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-5S					MW-5D				
Date Collected:	Values	03/30/98	05/20/98	10/26/00	04/09/03	02/02/06	03/30/98	05/20/98	10/26/00	04/10/03	01/25/06
Detected Pesticides											
4,4'-DDD	0.3	NA	NA	<0.12	<0.16 [<0.17]	NA	NA	NA	<0.10	<0.15	NA
4,4'-DDE	0.2	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
4,4'-DDT	0.2	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
Aldrin	0	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Alpha-BHC	0.01	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Alpha-Chlordane	0.05	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Beta-BHC	- -	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Delta-BHC	- -	NA	NA	0.0096 J	<0.055 [0.0070 J]	NA	NA	NA	<0.050	0.023 J	NA
Dieldrin	0.004	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
Endosulfan I	- -	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Endosulfan II	- -	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
Endosulfan Sulfate	- -	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
Endrin	0	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
Endrin Aldehyde	5	NA	NA	<0.12	<0.11 [<0.11]	NA	NA	NA	<0.10	<0.10	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Gamma-Chlordane	0.05	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Heptachlor	0.04	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Heptachlor Epoxide	0.03	NA	NA	<0.059	<0.055 [<0.056]	NA	NA	NA	<0.050	<0.050	NA
Methoxychlor	35	NA	NA	<0.59	<0.55 [<0.56]	NA	NA	NA	<0.50	<0.50	NA
Detected Inorganics											
Aluminum	- -	8,390	26,200	175	527 JB [472 JB]	NA	1,600	2,590	<100	<12,500	NA
Antimony	3	<4.00	6.30 B	<5.00	<100 [<100]	NA	<4.00	<4.00	<50.0	<500	NA
Arsenic	25	13.6	67.4	27.9	<200 [<200]	NA	10.3	15.0	<25.0	<1,000	NA
Barium	1,000	66.7 BEN	139 B	18.9	<25.0 [<25.0]	NA	68.8 BEN	79.2 B	43.7	71.3 B	NA
Beryllium	- -	<1.00	2.10 B	<5.00	<25.0 [<25.0]	NA	1.60 BN	2.10 B	<5.00	<125	NA
Cadmium	5	2.10 BN	4.60 B	<5.00	<50.0 [<50.0]	NA	1.40 BN	<1.00	<5.00	<250	NA
Calcium	- -	570,000 E	1,160,000	114,000	44,800 [44,900]	NA	193,000 E	300,000	176,000	216,000	NA
Chromium	50	21.7 N	68.7	1.20	19.6 B [19.8 B]	NA	3.60 BN	4.60 B	<10.0	<250	NA
Detected Inorganics											
Cobalt	- -	4.60 BN	17.9 B	<1.00	<50.0 [<50.0 J]	NA	1.00 BN	2.00 B	<10.0	<250	NA
Copper	200	68.8	224	2.20	<50.0 J [13.5 B]	NA	9.50 B	10.7 B	<10.0	<250	NA
Cyanide	200	<10.0	69.0	<10.0	16.1 [20.4]	9.70 B	<10.0	<10.0	<10.0	5.40 B	8.60 B [13.7]
Cyanide, Available	- -	NA	NA	<2	3	<2	NA	NA	<2	8	<2
Iron	300	9,540 EN	29,300	110	721 B [730 B]	NA	2,500 EN	4,190	<100	<5,000	NA
Lead	25	31.7	97.2	<2.00	<50.0 [<50.0]	NA	3.90	9.50	<20.0	<250	NA
Magnesium	- -	20,300 E	87,300	2,150	4,450 [4,470]	NA	23,800 E	38,900	25,900	4,550	NA
Manganese	300	1,090 EN	3,850	10.4	<75.0 [52.0 B]	NA	124 EN	238	11.1	<375	NA
Mercury	0.7	0.380	0.720 N	<0.100	<0.200 [<0.200]	NA	<0.200	<0.200	<0.100	<0.200	NA
Nickel	100	18.5 BN	53.8	2.20	<50.0 [<50.0]	NA	6.80 BN	6.00 B	<15.0	<250	NA
Potassium	- -	44,900	57,500	55,100	8,210 J [8,340 J]	NA	81,000	104,000	74,500	61,400 J	NA
Selenium	10	2.20 BN	7.00	<5.00	<150 [<150]	NA	<2.00	<2.00	<50.0	<750	NA
Silver	50	<1.00	<1.00	<1.00	<30.0 [<30.0]	NA	<1.00	<1.00	<10.0	<150	NA
Sodium	- -	97,400	97,100	99,200	45,100 [45,300]	NA	83,500 E	44,300	2,230,000	1,160,000	NA
Thallium	- -	<3.00	<3.00	<6.00	<200 [<200]	NA	<3.00	<3.00	<60.0	<1,000	NA
Vanadium	- -	21.6 BN	65.0	4.60	8.40 B [9.20 B]	NA	3.20 BN	5.60 B	<10.0	<150	NA
Zinc	2,000	98.6	329	42.7	<250 [<250]	NA	19.3 B	47.1	<50.0	<1,250	NA
Detected Inorganics-Filtered											
Iron	300	NA	NA	27.4	<1,000 [<1,000]	NA	NA	NA	<100	<1,000	NA
Manganese	300	NA	NA	<1.00	<75.0 [<75.0]	NA	NA	NA	15.6	<75.0	NA
Detected Miscellaneous											
Alkalinity, CaCO3	- -	1,200,000	363,000	NA	NA	NA	224,000	98,300	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	4,800	4,800	3,300	5,900 J [5,900 J]	NA	28,800	36,000	48,000	13,000 J	NA
Carbon Dioxide by Headspace	- -	NA	NA	<600	<600 [<600]	NA	NA	NA	<600	<600	NA
Carbon monoxide	- -	NA	NA	<400	<400 [<400]	NA	NA	NA	<400	<400	NA
Carbonate, CaCO3	- -	224,000	53,800	NA	NA	NA	57,600	2,960	NA	NA	NA
COD	- -	34,100	28,000	12,200	16,700 [12,900]	NA	52,000	110,000	294,000	73,400	NA
Chloride	250,000	146,000	278,000	206,000	69,000 [69,000]	NA	5,330,000	9,830,000	10,400,000	2,500,000	NA
DOC Average Quads	- -	NA	NA	3,670	4,100 [4,200]	NA	NA	NA	15,400	9,700.00000000001	NA
Hardness, Ca/CO3	- -	1,510,000	3,260,000	NA	NA	NA	580,000	910,000	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	830	1.5 [0.9]	NA	NA	NA	4,760	1,600	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	576	NA	NA	NA	NA	<400 [<400]
Nitrate Nitrogen	10,000	<100	202	<100	2,300 [2,200]	NA	<100	<100	<100	<100	NA
Nitrite Nitrogen	1,000	56	92	<100	510 [510]	NA	<5	<5	<100	<500	NA
Oil and Grease	- -	<1,000	<1,000	NA	NA	NA	<1,000	3,900	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	1,190	7,500 [8,000]	NA	NA	NA	850	820	NA
pH	- -	12.2	11.86	NA	NA	NA	9.82	8.79	NA	NA	NA
Sulfate	250,000	170,000	211,000	147,000	74,000 [74,000]	83,200	226,000	97,100	250,000	140,000	210,000 [224,000]
Sulfide	50	3,000	<1,000	2,000	<1,000 [<1,000]	NA	28,700	29,100	12,800	23,000	NA
TOC Average Quads	- -	NA	NA	5,960	4,300 [5,400]	NA	NA	NA	15,800	10,000	NA
Total Dissolved Solids	1,000,000	960,000	1,050,000	NA	NA	NA	10,100,000	15,600,000	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-6S						
Date Collected:	Values	05/21/98	10/30/00	04/08/03	02/07/06	05/11/06	08/17/06	11/16/06
Detected Volatile Organics								
1,1,1-Trichloroethane	5	<10	<10	<5.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	<5.0	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10	<10	<5.0	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<10	<5.0	NA	NA	NA	NA
2-Butanone	- -	<10	<10	<10	NA	NA	NA	NA
2-Hexanone	50	<10	<10	<10	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	<10	NA	NA	NA	NA
Acetone	50	<10	<10	<10	NA	NA	NA	NA
Benzene	1	<10	<10	<5.0	<0.40	<0.40	<0.40	<0.40
Bromodichloromethane	50	<10	<10	<5.0	NA	NA	NA	NA
Bromoform	50	<10	<10	<5.0	NA	NA	NA	NA
Bromomethane	5	<10	<10	<5.0 J	NA	NA	NA	NA
Carbon Disulfide	- -	<10	<10	<5.0	NA	NA	NA	NA
Chlorobenzene	5	<10	<10	<5.0	NA	NA	NA	NA
Chloroform	7	<10	<10	4.0 J	NA	NA	NA	NA
Chloromethane	- -	<10	<10	<5.0 J	NA	NA	NA	NA
Dibromochloromethane	50	<10	<10	<5.0	NA	NA	NA	NA
Ethylbenzene	5	<10	<10	<5.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<10	4.0 J	<0.40	NA	NA	NA	NA
Styrene	5	<10	<10	<5.0	NA	NA	NA	NA
Tetrachloroethene	5	<10	<10	<5.0	NA	NA	NA	NA
Toluene	5	<10	1.0 J	<5.0	<0.30	<0.30	<0.30	<0.30
Trichloroethene	5	<10	<10	<5.0	NA	NA	NA	NA
Vinyl Chloride	2	<10	<10	<5.0	NA	NA	NA	NA
Xylenes (total)	5	<10	<10	<5.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -	<10	1.0 J	<5.0	<1.0	<1.0	<1.0	<1.0
Total VOCs	- -	<10	5.0 J	4.0 J	<1.0	<1.0	<1.0	<1.0
Detected Semivolatile Organics								
2,4-Dimethylphenol	50	<10	<10	<12	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25	<26	<62	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	<10	<12	NA	NA	NA	NA
2-Methylnaphthalene	- -	<10	<10	<12	<0.60	<0.60	<0.60	<0.70
2-Methylphenol	- -	<10	<10	<12	NA	NA	NA	NA
2-Nitrophenol	- -	<10	<10	<12	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10	<10	<25	NA	NA	NA	NA
4-Methylphenol	- -	<10	<10	<12	NA	NA	NA	NA
4-Nitroaniline	5	<25	<26	<25	NA	NA	NA	NA
Acenaphthene	20	<10	<10	<12	<0.80	<0.80	<0.80	<0.90
Acenaphthylene	- -	<10	<10	<12	<0.80	<0.80	<0.80	<0.80
Anthracene	50	<10	<10	<12	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	0.002	<10	<10	<12	<1.0	<1.0	<1.0	<0.80
Benzo(a)pyrene	0	<10	<10	<12	<1.0	<1.0	<1.0	<0.50
Benzo(b)fluoranthene	0.002	<10	<10	<12	<2.0	<2.0	<2.0	<1.0
Benzo(g,h,i)perylene	- -	<10	<10	<12	<1.0	<1.0	<1.0	<0.30
Benzo(k)fluoranthene	0.002	<10	<10	<12	<0.90	<0.90	<0.90	<1.0
bis(2-Ethylhexyl)phthalate	5	<10	0.20 J	0.70 J	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	<10	<12	NA	NA	NA	NA
Detected Semivolatile Organics								
Carbazole	- -	<10	<10	<12	NA	NA	NA	NA
Chrysene	0.002	<10	<10	<12	<1.0	<1.0	<1.0	<1.0
Dibenzo(a,h)anthracene	- -	<10	<10	<12	<1.0	<1.0	<1.0	<0.30
Dibenzofuran	- -	<10	<10	<12	NA	NA	NA	NA
Diethylphthalate	50	0.40 J	<10	<12	NA	NA	NA	NA
Dimethylphthalate	50	<10	<10	<12	NA	NA	NA	NA
Di-n-Butylphthalate	50	0.40 JB	<10	<12	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	<10	<12	NA	NA	NA	NA
Fluoranthene	50	<10	<10	<12	<1.0	<1.0	<1.0	<1.0
Fluorene	50	<10	<10	<12	<0.80	<0.80	<0.80	<0.80
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<12	<1.0	<1.0	<1.0	<0.30
Isophorone	50	<10	<10	<12	NA	NA	NA	NA
Naphthalene	10	<10	0.50 J	<12	<0.70	<0.70	<0.70	<0.50
Phenanthrene	50	<10	<10	<12	<0.70	<0.70	<0.70	<0.80
Phenol	1	<10	<10	<12	NA	NA	NA	NA
Pyrene	50	<10	<10	<12	<1.0	<1.0	<1.0	<1.0
Total PAHs	- -	<10	0.50 J	<12	<2.0	<2.0	<2.0	<1.0
Total SVOCs	- -	0.80 J	0.70 J	0.70 J	<2.0	<2.0	<2.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-6S						
Date Collected:	Values	05/21/98	10/30/00	04/08/03	02/07/06	05/11/06	08/17/06	11/16/06
Detected Pesticides								
4,4'-DDD	0.3	NA	<0.10	<0.16	NA	NA	NA	NA
4,4'-DDE	0.2	NA	<0.10	<0.11	NA	NA	NA	NA
4,4'-DDT	0.2	NA	<0.10	<0.11	NA	NA	NA	NA
Aldrin	0	NA	<0.050	<0.054	NA	NA	NA	NA
Alpha-BHC	0.01	NA	<0.050	<0.054	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	<0.050	<0.054	NA	NA	NA	NA
Beta-BHC	- -	NA	<0.050	<0.054	NA	NA	NA	NA
Delta-BHC	- -	NA	<0.050	<0.054	NA	NA	NA	NA
Dieldrin	0.004	NA	<0.10	<0.11	NA	NA	NA	NA
Endosulfan I	- -	NA	<0.050	<0.054	NA	NA	NA	NA
Endosulfan II	- -	NA	<0.10	<0.11	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	<0.10	<0.11	NA	NA	NA	NA
Endrin	0	NA	<0.10	<0.11	NA	NA	NA	NA
Endrin Aldehyde	5	NA	<0.10	<0.11	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	<0.050	<0.054	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	<0.050	<0.054	NA	NA	NA	NA
Heptachlor	0.04	NA	<0.050	<0.054	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	<0.050	<0.054	NA	NA	NA	NA
Methoxychlor	35	NA	<0.50	<0.54	NA	NA	NA	NA
Detected Inorganics								
Aluminum	- -	5,020	5,670	1,250 B	NA	NA	NA	NA
Antimony	3	4.50 B	<10.0	<100	NA	NA	NA	NA
Arsenic	25	5.70 B	<5.00	<200	NA	NA	NA	NA
Barium	1,000	71.8 B	133	82.5	NA	NA	NA	NA
Beryllium	- -	<1.00	<5.00	<25.0	NA	NA	NA	NA
Cadmium	5	<1.00	<5.00	<50.0	NA	NA	NA	NA
Calcium	- -	87,100	213,000	148,000	NA	NA	NA	NA
Chromium	50	7.50 B	11.2	119	NA	NA	NA	NA
Detected Inorganics								
Cobalt	- -	3.00 B	4.90	<50.0	NA	NA	NA	NA
Copper	200	29.9	29.7	14.2 B	NA	NA	NA	NA
Cyanide	200	<10.0	<10.0	5.00 B	11.4	10.7	2.60 B	10.0 BJ
Cyanide, Available	- -	NA	<2	<2	<2	NA	NA	NA
Iron	300	10,300	14,600	5,050	NA	NA	NA	NA
Lead	25	33.9	49.1	<50.0	NA	NA	NA	NA
Magnesium	- -	7,810	17,300	10,900	NA	NA	NA	NA
Manganese	300	169	334	129	NA	NA	NA	NA
Mercury	0.7	2.30 N	1.30	<0.200	NA	NA	NA	NA
Nickel	100	10.9 B	15.9	78.2	NA	NA	NA	NA
Potassium	- -	6,720	13,100	8,340 J	NA	NA	NA	NA
Selenium	10	<2.00	<10.0	<150	NA	NA	NA	NA
Silver	50	<1.00	<2.00	<30.0	NA	NA	NA	NA
Sodium	- -	68,600	214,000	346,000	NA	NA	NA	NA
Thallium	- -	<3.00	<12.0	<200	NA	NA	NA	NA
Vanadium	- -	8.40 B	12.3	5.30 B	NA	NA	NA	NA
Zinc	2,000	50.8	75.0	<250	NA	NA	NA	NA
Detected Inorganics-Filtered								
Iron	300	NA	48.4	<1,000	NA	NA	NA	NA
Manganese	300	NA	115	<75.0	NA	NA	NA	NA
Detected Miscellaneous								
Alkalinity, CaCO3	- -	256,000	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA
BOD	- -	3,000	2,800	420 JB	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	45,510	7,700	NA	NA	NA	NA
Carbon monoxide	- -	NA	<400	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	<2,000	NA	NA	NA	NA	NA	NA
COD	- -	<10,000	43,900	24,700	NA	NA	NA	NA
Chloride	250,000	80,400	404,000	700,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	10,400	1,200	NA	NA	NA	NA
Hardness, Ca/CO3	- -	250,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	<70	11	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	16,000	NA	NA	NA
Nitrate Nitrogen	10,000	505	1,920	3,200	NA	NA	NA	NA
Nitrite Nitrogen	1,000	115	<100	<100	NA	NA	NA	NA
Oil and Grease	- -	<1,000	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	6,050	7,300	NA	NA	NA	NA
pH	- -	8.39	NA	NA	NA	NA	NA	NA
Sulfate	250,000	33,500	137,000	49,000	112,000	NA	NA	NA
Sulfide	50	>1,000	<1,000	<1,000	NA	NA	NA	NA
TOC Average Quads	- -	NA	10,700	1,300	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	461,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-6D							
Date Collected:	Values	03/31/98	05/21/98	10/30/00	04/08/03	02/08/06	05/15/06	08/16/06	11/17/06
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10	<10	<10	<5.0 J	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
2-Butanone	- -	<10	<10	5.0 J	<10 J	NA	NA	NA	NA
2-Hexanone	50	<10	<10	<10	<10 J	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	<10	<10 J	NA	NA	NA	NA
Acetone	50	21	33	26	21	NA	NA	NA	NA
Benzene	1	12	12	11	5.0	1.3 J	5.1 [5.1]	5.3	4.9 J [4.6 J]
Bromodichloromethane	50	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Bromoform	50	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Bromomethane	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Carbon Disulfide	- -	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Chlorobenzene	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Chloroform	7	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Chloromethane	- -	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Dibromochloromethane	50	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Ethylbenzene	5	26	28	38	8.0 J	4.6 J	20 [19]	17	17 [17]
Methylene Chloride	5	<10	<10	3.0 J	<0.50 J	NA	NA	NA	NA
Styrene	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Tetrachloroethene	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Toluene	5	15	16	23	6.0	1.1 J	12 [12]	11	11 [11]
Trichloroethene	5	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Vinyl Chloride	2	<10	<10	<10	<5.0 J	NA	NA	NA	NA
Xylenes (total)	5	59	66	180	34 J	60	90 [91]	75	81 [78]
Total BTEX	- -	110	120	250	53 J	67 J	130 [130]	110	110 J [110 J]
Total VOCs	- -	130	160	290 J	74 J	67 J	130 [130]	110	110 J [110 J]
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10	1.0 J	<50	<20	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25	<25	<120	<100	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	<10	<50	<20	NA	NA	NA	NA
2-Methylnaphthalene	- -	41 J	53	68	44	110 J	57 [65 J]	67	76 J [83 J]
2-Methylphenol	- -	<10	<10	<50	<20	NA	NA	NA	NA
2-Nitrophenol	- -	<10	<10	<50	<20	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10	<10	<50	<40	NA	NA	NA	NA
4-Methylphenol	- -	<10	4.0 J	4.0 J	2.0 J	NA	NA	NA	NA
4-Nitroaniline	5	<25	<25	<120	<40	NA	NA	NA	NA
Acenaphthene	20	3.0 J	4.0 J	5.0 J	3.0 J	<43	4.0 J [<8.0]	5.0 J	<8.0 [<8.0]
Acenaphthylene	- -	19 J	21 J	29 J	17 J	56 J	23 J [22 J]	27 J	27 J [31 J]
Anthracene	50	<10	<10	<50	<20	<53	<5.0 [<10]	<5.0	<10 [<10]
Benzo(a)anthracene	0.002	<10	<10	<50	<20	<64	<6.0 [<12]	<6.0	<8.0 [<8.0]
Benzo(a)pyrene	0	<10	<10	<50	<20	<58	<5.0 [<11]	<5.0	<5.0 [<5.0]
Benzo(b)fluoranthene	0.002	<10	<10	<50	<20	<83	<8.0 [<15]	<8.0	<10 [<10]
Benzo(g,h,i)perylene	- -	<10	<10	<50	<20	<56	<5.0 [<10]	<5.0	<3.0 J [<3.0 J]
Benzo(k)fluoranthene	0.002	<10	<10	<50	<20	<49	<5.0 [<9.0]	<5.0	<9.0 [<9.0]
bis(2-Ethylhexyl)phthalate	5	24 J	2.0 JB	<50	<20	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	<10	<50	<20	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	9.0 J	9.0 J	13 J	10 J	NA	NA	NA	NA
Chrysene	0.002	<10	<10	<50	<20	<52	<5.0 [<10]	<5.0	<12 [<12]
Dibenzo(a,h)anthracene	- -	<10	<10	<50	<20	<72	<7.0 [<13]	<7.0	<2.0 J [<2.0 J]
Dibenzofuran	- -	8.0 J	10 J	13 J	8.0 J	NA	NA	NA	NA
Diethylphthalate	50	<10	<10	<50	<20	NA	NA	NA	NA
Dimethylphthalate	50	<10	<10	<50	<20	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10	<10	<50	<20	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	<10	<50	<20	NA	NA	NA	NA
Fluoranthene	50	<10	<10	<50	<20	<58	<5.0 [<11]	<5.0	<9.0 [<9.0]
Fluorene	50	7.0 J	10 J	12 J	7.0 J	<41	9.0 J [8.0 J]	10 JM	11 J [12 J]
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<50	<20	<63	<6.0 [<12]	<6.0	<3.0 J [<3.0 J]
Isophorone	50	<10	<10	<50	<20	NA	NA	NA	NA
Naphthalene	10	190	200	350	150	1,200	310 [370]	390	360 [410]
Phenanthrene	50	<10	0.70 J	0.90 J	<20	<35	<3.0 [<7.0]	<3.0	<7.0 [<7.0]
Phenol	1	50	52	70	12 J	NA	NA	NA	NA
Pyrene	50	<10	<10	<50	<20	<54	<5.0 [<10]	<5.0	<10 [<10]
Total PAHs	- -	260 J	290 J	470 J	220 J	1,400 J	400 J [470 J]	500 J	470 J [540 J]
Total SVOCs	- -	350 J	370 J	570 J	250 J	1,400 J	400 J [470 J]	500 J	470 J [540 J]

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-6D							
Date Collected:	Values	03/31/98	05/21/98	10/30/00	04/08/03	02/08/06	05/15/06	08/16/06	11/17/06
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.11	<0.16	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	<0.11	<0.11	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Aldrin	0	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	<0.050	<0.054	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	0.020 J	<0.054	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Endrin	0	NA	NA	0.12	<0.11	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	<0.053	0.015 J	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	<0.053	<0.054	NA	NA	NA	NA
Methoxychlor	35	NA	NA	<0.53	<0.54	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	1,140	852	180	<2,500	NA	NA	NA	NA
Antimony	3	<4.00	<4.00	<5.00	<100	NA	NA	NA	NA
Arsenic	25	<2.00	<2.00	<2.50	<200	NA	NA	NA	NA
Barium	1,000	44.7 BEN	43.9 B	42.0	54.4	NA	NA	NA	NA
Beryllium	- -	<1.00	<1.00	<5.00	<25.0	NA	NA	NA	NA
Cadmium	5	<1.00	<1.00	<5.00	<50.0	NA	NA	NA	NA
Calcium	- -	369,000 E	248,000	279,000	312,000	NA	NA	NA	NA
Chromium	50	2.30 BN	<1.00	<1.00	<50.0	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	<1.00	<1.00	<1.00	<50.0	NA	NA	NA	NA
Copper	200	<1.00	2.20 B	1.60	<50.0	NA	NA	NA	NA
Cyanide	200	<10.0	49.0	<10.0	18.1	203	9.90 B [3.00 B]	<1.30	25.1 J [55.2 J]
Cyanide, Available	- -	NA	NA	<2	11	<2	NA	NA	NA
Iron	300	1,950 EN	1,660	222	<1,000	NA	NA	NA	NA
Lead	25	3.50 N	<1.00	<2.00	<50.0	NA	NA	NA	NA
Magnesium	- -	941 BE	1,010 B	102	<500	NA	NA	NA	NA
Manganese	300	35.1 EN	35.3	3.50	<75.0	NA	NA	NA	NA
Mercury	0.7	0.490	0.410 N	<0.100	<0.200	NA	NA	NA	NA
Nickel	100	5.40 BN	3.80 B	2.50	<50.0	NA	NA	NA	NA
Potassium	- -	11,800	12,600	15,200	19,600 J	NA	NA	NA	NA
Selenium	10	2.80 BN	3.70 B	<5.00	<150	NA	NA	NA	NA
Silver	50	<1.00	<1.00	<1.00	<30.0	NA	NA	NA	NA
Sodium	- -	106,000 E	83,200	93,400	428,000	NA	NA	NA	NA
Thallium	- -	<3.00	<3.00	<6.00	<200	NA	NA	NA	NA
Vanadium	- -	3.30 BN	2.20 B	1.90	<30.0	NA	NA	NA	NA
Zinc	2,000	97.1	11.9 B	<5.00	<250	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	93.7	<1,000	NA	NA	NA	NA
Manganese	300	NA	NA	<1.00	<75.0	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	37,000	680,000	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	26,100	2,100	27,600	18,000 J	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	<600	<600	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	400	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	<2,000	91,200	NA	NA	NA	NA	NA	NA
COD	- -	<10,000	43,200	78,100	68,300	NA	NA	NA	NA
Chloride	250,000	241,000	353,000	121,000	910,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	23,800	19,000	NA	NA	NA	NA
Hardness, Ca/CO3	- -	925,000	623,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	530	1,600	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	373	NA	NA	NA
Nitrate Nitrogen	10,000	<100	306	<100	<100	NA	NA	NA	NA
Nitrite Nitrogen	1,000	222	231	319	<100	NA	NA	NA	NA
Oil and Grease	- -	<1,000	3,500	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	870	740	NA	NA	NA	NA
pH	- -	12.2	12.17	NA	NA	NA	NA	NA	NA
Sulfate	250,000	128,000	130,000	106,000	160,000	109,000	NA	NA	NA
Sulfide	50	9,100	5,140	<1,000	8,400	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	24,400	20,000	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	1,280,000	1,220,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-7S							
Date Collected:	Values	03/31/98	05/21/98	10/31/00	04/23/03	02/06/06	05/12/06	08/15/06	11/13/06
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<10	<5.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	1.0 J	<10	<10	<5.0	NA	NA	NA	NA
1,1,2-Trichloroethane	1	1.0 J	<10	<10	<5.0	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<10	<10	<5.0	NA	NA	NA	NA
2-Butanone	- -	<10	<10	<10	<10	NA	NA	NA	NA
2-Hexanone	50	<10	<10	<10	<10	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	<10	<10	NA	NA	NA	NA
Acetone	50	<10	<10	<10	<10	NA	NA	NA	NA
Benzene	1	<10	<10	<10	<5.0	0.50 J	<0.40	<0.40	<0.40
Bromodichloromethane	50	1.0 J	<10	<10	<5.0	NA	NA	NA	NA
Bromoform	50	<10	<10	<10	<5.0	NA	NA	NA	NA
Bromomethane	5	<10	<10	<10	<5.0	NA	NA	NA	NA
Carbon Disulfide	- -	<10	<10	<10	<5.0	NA	NA	NA	NA
Chlorobenzene	5	<10	<10	<10	<5.0	NA	NA	NA	NA
Chloroform	7	<10	<10	<10	0.70 J	NA	NA	NA	NA
Chloromethane	- -	<10	<10	<10	<5.0	NA	NA	NA	NA
Dibromochloromethane	50	<10	<10	<10	<5.0	NA	NA	NA	NA
Ethylbenzene	5	<10	<10	<10	<5.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	0.40 J	1.0 J	0.20 J	0.40 J	NA	NA	NA	NA
Styrene	5	2.0 J	<10	<10	<5.0	NA	NA	NA	NA
Tetrachloroethene	5	0.20 J	<10	<10	<5.0	NA	NA	NA	NA
Toluene	5	<10	<10	2.0 J	<5.0	<0.30	<0.30	<0.30	<0.30
Trichloroethene	5	1.0 J	<10	<10	<5.0	NA	NA	NA	NA
Vinyl Chloride	2	<10	<10	<10	<5.0	NA	NA	NA	NA
Xylenes (total)	5	0.30 J	2.0 J	<10	<5.0	1.2 J	<1.0	<1.0	<1.0
Total BTEX	- -	0.30 J	2.0 J	2.0 J	<5.0	1.7 J	<1.0	<1.0	<1.0
Total VOCs	- -	6.9 J	3.0 J	2.2 J	1.1 J	1.7 J	<1.0	<1.0	<1.0
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	1.0 J	2.0 J	<10	<10	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25	<25	<25	<50	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	<10	<10	<10	NA	NA	NA	NA
2-Methylnaphthalene	- -	<10	0.30 J	<10	<10	<0.60	<0.60	<0.60	<0.70
2-Methylphenol	- -	<10	0.70 J	<10	<10	NA	NA	NA	NA
2-Nitrophenol	- -	<10	<10	<10	<10	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10	<10	<10	<20	NA	NA	NA	NA
4-Methylphenol	- -	0.70 J	0.60 J	<10	<10	NA	NA	NA	NA
4-Nitroaniline	5	<25	<25	<25	<20	NA	NA	NA	NA
Acenaphthene	20	<10	<10	0.20 J	<10	<0.80	<0.80	<0.80	<0.90
Acenaphthylene	- -	0.50 J	0.30 J	0.60 J	0.70 J	<0.80	<0.80	<0.80	1.0 J
Anthracene	50	<10	<10	0.10 J	<10	<1.0	<1.0	<1.0	<1.0
Benzo(a)anthracene	0.002	<10	<10	<10	<10	<1.0	<1.0	<1.0	<0.80
Benzo(a)pyrene	0	<10	<10	<10	<10	<1.0	<1.0	<1.0	<0.50
Benzo(b)fluoranthene	0.002	<10	<10	<10	<10	<2.0	<2.0	<2.0	<1.0
Benzo(g,h,i)perylene	- -	<10	<10	<10	<10	<1.0	<1.0	<1.0	<0.30
Benzo(k)fluoranthene	0.002	<10	<10	<10	<10	<0.90	<0.90	<0.90	<1.0
bis(2-Ethylhexyl)phthalate	5	0.70 J	1.0 JB	2.0 J	1.0 J	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	<10	<10	<10	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	<10	<10	<10	<10	NA	NA	NA	NA
Chrysene	0.002	<10	<10	<10	<10	<1.0	<1.0	<1.0	<1.0
Dibenzo(a,h)anthracene	- -	<10	<10	<10	<10	<1.0	<1.0	<1.0	<0.30 J
Dibenzofuran	- -	<10	<10	0.20 J	<10	NA	NA	NA	NA
Diethylphthalate	50	<10	1.0 J	0.30 J	<10	NA	NA	NA	NA
Dimethylphthalate	50	<10	<10	<10	<10	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10	0.70 JB	0.10 J	<10	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	<10	<10	<10	NA	NA	NA	NA
Fluoranthene	50	<10	<10	<10	<10	<1.0	<1.0	<1.0	<1.0
Fluorene	50	<10	<10	<10	<10	<0.80	<0.80	<0.80	<0.80
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<10	<10	<1.0	<1.0	<1.0	<0.30
Isophorone	50	<10	<10	<10	<10	NA	NA	NA	NA
Naphthalene	10	0.30 J	3.0 J	2.0 J	2.0 J	<0.70	<0.70	0.70 J	3.0 J
Phenanthrene	50	<10	<10	<10	<10	<0.70	<0.70	<0.70	<0.80
Phenol	1	<10	<10	0.40 J	<10	NA	NA	NA	NA
Pyrene	50	<10	<10	<10	<10	<1.0	<1.0	<1.0	<1.0
Total PAHs	- -	0.80 J	3.6 J	2.9 J	2.7 J	<2.0	<2.0	0.70 J	4.0 J
Total SVOCs	- -	3.2 J	9.6 J	5.9 J	3.7 J	<2.0	<2.0	0.70 J	4.0 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	MW-7S							
Date Collected:		03/31/98	05/21/98	10/31/00	04/23/03	02/06/06	05/12/06	08/15/06	11/13/06
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.11	<0.17	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	<0.11	<0.11	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	0.22	<0.11	NA	NA	NA	NA
Aldrin	0	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	0.014 J	<0.056	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	0.023 J	<0.056	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Endrin	0	NA	NA	0.026 J	<0.11	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	<0.11	<0.11	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.057	0.029 J	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	<0.057	<0.056	NA	NA	NA	NA
Methoxychlor	35	NA	NA	<0.57	<0.56	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	1,670	1,900 B	636	588 B	NA	NA	NA	NA
Antimony	3	4.30 B	<80.0	<5.00	<100	NA	NA	NA	NA
Arsenic	25	<2.00	<40.0	<2.50	<200	NA	NA	NA	NA
Barium	1,000	15.9 BEN	<20.0	15.1	16.0 BEJ	NA	NA	NA	NA
Beryllium	- -	<1.00	<20.0	<0.500	<25.0	NA	NA	NA	NA
Cadmium	5	1.10 BN	<20.0	<0.500	<50.0	NA	NA	NA	NA
Calcium	- -	111,000 E	177,000	237,000	82,200 EJ	NA	NA	NA	NA
Chromium	50	3.40 BN	<20.0	1.10	<50.0	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	1.00 BN	<20.0	1.40	<50.0	NA	NA	NA	NA
Copper	200	4.80 B	<20.0	7.90	14.9 B	NA	NA	NA	NA
Cyanide	200	380	292	440	317	291	235	98.3	349 J
Cyanide, Available	- -	NA	NA	<2	16	<2	NA	NA	NA
Iron	300	1,710 EN	3,100	1,120	348 B	NA	NA	NA	NA
Lead	25	3.40	39.7 B	<2.00	<50.0	NA	NA	NA	NA
Magnesium	- -	125,000 E	132,000	80,500	147,000 EJ	NA	NA	NA	NA
Manganese	300	102 EN	229 B	190	61.4 B	NA	NA	NA	NA
Mercury	0.7	<0.200	0.200 N	<0.100	<0.200 J	NA	NA	NA	NA
Nickel	100	7.70 BN	<40.0	7.60	<50.0	NA	NA	NA	NA
Potassium	- -	2,110 B	2,420 B	4,190	2,010	NA	NA	NA	NA
Selenium	10	2.70 BN	<40.0	<5.00	<150	NA	NA	NA	NA
Silver	50	<1.00	<20.0	<1.00	<30.0	NA	NA	NA	NA
Sodium	- -	92,600 E	155,000	141,000	78,800	NA	NA	NA	NA
Thallium	- -	<3.00	<60.0	<6.00	<200	NA	NA	NA	NA
Vanadium	- -	11.6 BN	<20.0	6.10	<30.0	NA	NA	NA	NA
Zinc	2,000	12.9 B	59.8 B	50.5	<250	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	228	<2,000	NA	NA	NA	NA
Manganese	300	NA	NA	77.8	<150	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	357,000	267,000	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	2,100	4,800	3,100	1,800 B	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	29,250	28,000	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	<400	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	4,200	<2,000	NA	NA	NA	NA	NA	NA
COD	- -	90,200	18,200	41,500	49,200	NA	NA	NA	NA
Chloride	250,000	147,000	136,000	113,000	100,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	12,900	7,400	NA	NA	NA	NA
Hardness, Ca/CO3	- -	792,000	988,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	<70	11	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	1,140	NA	NA	NA
Nitrate Nitrogen	10,000	460	<100	439	280	NA	NA	NA	NA
Nitrite Nitrogen	1,000	14	16	<100	<500	NA	NA	NA	NA
Oil and Grease	- -	1,100	<1,000	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	4,800	2,300	NA	NA	NA	NA
pH	- -	7.78	7.81	NA	NA	NA	NA	NA	NA
Sulfate	250,000	474,000	584,000	1,070,000	380,000	546,000	NA	NA	NA
Sulfide	50	<1,000	<1,000	<1,000	<1,000	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	14,900	7,500	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	1,140,000	1,340,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-7D							
Date Collected:	Values	03/31/98	05/21/98	10/27/00	04/23/03	02/07/06	05/15/06	08/17/06	11/16/06
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<200	<100	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	<200	<100	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10	<10	<200	<100	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<10	<200	<100	NA	NA	NA	NA
2-Butanone	- -	<10	<10	<200	<200	NA	NA	NA	NA
2-Hexanone	50	<10	<10	<200	<200	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	<200	<200	NA	NA	NA	NA
Acetone	50	110 J	<10	610	<200	NA	NA	NA	NA
Benzene	1	44 J	40 J	55	22 J	3.3 J	2.5 J	2.6 J [2.4 J]	2.6 J
Bromodichloromethane	50	<10	<10	<200	<100	NA	NA	NA	NA
Bromoform	50	<10	<10	<200	<100	NA	NA	NA	NA
Bromomethane	5	<10	<10	<200	<100	NA	NA	NA	NA
Carbon Disulfide	- -	<10	<10	<200	<100	NA	NA	NA	NA
Chlorobenzene	5	290	<10	<200	<100	NA	NA	NA	NA
Chloroform	7	<10	<10	<200	<100	NA	NA	NA	NA
Chloromethane	- -	<10	<10	<200	<100	NA	NA	NA	NA
Dibromochloromethane	50	<10	<10	<200	<100	NA	NA	NA	NA
Ethylbenzene	5	320	270	360	210	33	27	28 [27]	24
Methylene Chloride	5	14 J	<10	600	23 J	NA	NA	NA	NA
Styrene	5	<10	<10	<200	140	NA	NA	NA	NA
Tetrachloroethene	5	<10	<10	<200	<100	NA	NA	NA	NA
Toluene	5	870	720	860	220	7.1	5.2 J	4.7 J [4.8 J]	4.1 J
Trichloroethene	5	<10	<10	5.0	<100	NA	NA	NA	NA
Vinyl Chloride	2	<10	<10	<200	<100	NA	NA	NA	NA
Xylenes (total)	5	5,400	4,400	6,000	2,900	320	300	280 [300]	270
Total BTEX	- -	6,600 J	5,400 J	7,300	3,400 J	360 J	340 J	320 J [330 J]	300 J
Total VOCs	- -	7,100 J	5,400 J	8,500	3,500 J	360 J	340 J	320 J [330 J]	300 J
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25	<25	<5,000	<5,000	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	<10	<2,000	<1,000	NA	NA	NA	NA
2-Methylnaphthalene	- -	1,500 J	1,100 J	980 J	1,100	370 J	380 J	220 J [270 J]	430 J
2-Methylphenol	- -	<10	<10	<2,000	<1,000	NA	NA	NA	NA
2-Nitrophenol	- -	<10	<10	<2,000	<1,000	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10	<10	<2,000	<2,000	NA	NA	NA	NA
4-Methylphenol	- -	<10	<10	<2,000	<1,000	NA	NA	NA	NA
4-Nitroaniline	5	<25	<25	<5,000	<2,000	NA	NA	NA	NA
Acenaphthene	20	<10	31 J	<2,000	39 J	<40	<80	<40 [<42]	<87 J
Acenaphthylene	- -	540 J	410 J	360 J	390 J	92 J	<75	44 J [52 J]	99 J
Anthracene	50	82 J	37 J	27 J	83 J	<50	<99	<50 [<52]	<110 J
Benzo(a)anthracene	0.002	<10	<10	<2,000	<1,000	<60	<120	<60 [<63]	<84 J
Benzo(a)pyrene	0	<10	<10	<2,000	<1,000	<54	<110	<54 [<57]	<54 J
Benzo(b)fluoranthene	0.002	<10	<10	<2,000	<1,000	<77	<150	<77 [<81]	<100 J
Benzo(g,h,i)perylene	- -	<10	<10	<2,000	<1,000	<52	<100	<52 [<55]	<35 J
Benzo(k)fluoranthene	0.002	<10	<10	<2,000	31 J	<46	<91	<46 [<48]	<100 J
bis(2-Ethylhexyl)phthalate	5	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	270 J	220 J	190 J	150 J	NA	NA	NA	NA
Chrysene	0.002	<10	<10	<2,000	<1,000	<48	<97	<48 [<51]	<130 J
Dibenzo(a,h)anthracene	- -	<10	<10	<2,000	<1,000	<67	<130	<67 [<71]	<26 J
Dibenzofuran	- -	230 J	140 J	130 J	180 J	NA	NA	NA	NA
Diethylphthalate	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Dimethylphthalate	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Fluoranthene	50	140 J	34 J	25 J	120 J	<54	<110	<54 [<57]	<99 J
Fluorene	50	220 J	130 J	110 J	160 J	56 J	<77	<38 [<41]	<77 J
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<2,000	<1,000	<58	<120	<58 [<62]	<35 J
Isophorone	50	<10	<10	<2,000	<1,000	NA	NA	NA	NA
Naphthalene	10	17,000	11,000	12,000	6,000	2,700	2,500	1,600 [2,000]	2,700 J
Phenanthrene	50	280 J	120 J	100 J	270 J	42 J	<66	<33 [<35]	<78 J
Phenol	1	<10	58 J	<2,000	<1,000	NA	NA	NA	NA
Pyrene	50	<10	20 J	<2,000	88 J	<50	<100	<50 [<53]	<110 J
Total PAHs	- -	20,000 J	13,000 J	14,000 J	8,300 J	3,300 J	2,900 J	1,900 J [2,300 J]	3,200 J
Total SVOCs	- -	20,000 J	13,000 J	14,000 J	8,600 J	3,300 J	2,900 J	1,900 J [2,300 J]	3,200 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-7D							
Date Collected:	Values	03/31/98	05/21/98	10/27/00	04/23/03	02/07/06	05/15/06	08/17/06	11/16/06
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.50	<0.17	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	<0.50	<0.11	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	<0.50	<0.11	NA	NA	NA	NA
Aldrin	0	NA	NA	<0.25	<0.056	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	0.036 J	0.055 J	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	<0.25	<0.056	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	<0.25	0.080	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	0.068 J	<0.056	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	0.16 J	<0.11	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	<0.25	<0.056	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	0.081 J	<0.11	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	<0.50	<0.11	NA	NA	NA	NA
Endrin	0	NA	NA	0.28 J	<0.11	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	<0.50	<0.11	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	<0.25	<0.056	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	0.12 J	0.13	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	<0.25	<0.056	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	<0.25	<0.056	NA	NA	NA	NA
Methoxychlor	35	NA	NA	<2.5	<0.56	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	213	9,300	1,840	1,130 B	NA	NA	NA	NA
Antimony	3	<4.00	<80.0	<5.00	<100	NA	NA	NA	NA
Arsenic	25	<2.00	<40.0	<2.50	<200	NA	NA	NA	NA
Barium	1,000	8.90 BEN	59.1 B	21.6	22.7 BEJ	NA	NA	NA	NA
Beryllium	- -	<1.00	<20.0	<5.00	<25.0	NA	NA	NA	NA
Cadmium	5	1.10 BN	<20.0	<5.00	<50.0	NA	NA	NA	NA
Calcium	- -	161,000 E	241,000	156,000	204,000 EJ	NA	NA	NA	NA
Chromium	50	<1.00	<20.0	3.10	<50.0	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	<1.00	<20.0	1.60	<50.0	NA	NA	NA	NA
Copper	200	<1.00	<20.0	5.50	<50.0	NA	NA	NA	NA
Cyanide	200	386	459	280	608	330	135	297 [244]	390 J
Cyanide, Available	- -	NA	NA	<2	10	<2	NA	NA	NA
Iron	300	435 EN	3,290	3,880	1,280	NA	NA	NA	NA
Lead	25	<1.00	36.9 B	<2.00	<50.0	NA	NA	NA	NA
Magnesium	- -	476 BE	56,200 B	2,690	1,840 EJ	NA	NA	NA	NA
Manganese	300	4.00 BEN	115 B	81.8	30.7 B	NA	NA	NA	NA
Mercury	0.7	<0.200	<0.200	<0.100	<0.200 J	NA	NA	NA	NA
Nickel	100	4.40 BN	<40.0	6.00	<50.0	NA	NA	NA	NA
Potassium	- -	5,190	6,390 B	7,780	8,250	NA	NA	NA	NA
Selenium	10	<2.00	<40.0	<5.00	<150	NA	NA	NA	NA
Silver	50	<1.00	<20.0	<1.00	<30.0	NA	NA	NA	NA
Sodium	- -	45,300 E	116,000	48,800	128,000	NA	NA	NA	NA
Thallium	- -	<3.00	<60.0	<6.00	<200	NA	NA	NA	NA
Vanadium	- -	1.30 BN	<20.0	4.30	<30.0	NA	NA	NA	NA
Zinc	2,000	3.10 B	37.0 B	37.4	<250	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	337	<2,000	NA	NA	NA	NA
Manganese	300	NA	NA	4.20	<150	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	89,000	83,500	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	16,400	5,700	20,600	15,000	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	<600	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	NA	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	38,900	47,600	NA	NA	NA	NA	NA	NA
COD	- -	64,300	39,100	73,200	101,000	NA	NA	NA	NA
Chloride	250,000	83,600	83,000	93,300	240,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	31,700	29,000	NA	NA	NA	NA
Hardness, Ca/CO3	- -	404,000	833,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	NA	350	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	<8	NA	NA	NA
Nitrate Nitrogen	10,000	<100	<100	<100	<100	NA	NA	NA	NA
Nitrite Nitrogen	1,000	19	16	<100	470 B	NA	NA	NA	NA
Oil and Grease	- -	1,700	3,300	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	NA	960	NA	NA	NA	NA
pH	- -	10.7	10.77	NA	NA	NA	NA	NA	NA
Sulfate	250,000	2,630,000	246,000	264,000	290,000	319,000	NA	NA	NA
Sulfide	50	3,800	2,290	2,300	3,900	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	42,000	30,000	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	880,000	631,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-8S							
Date Collected:	Values	03/30/98	05/20/98	05/21/98	04/21/03	02/07/06	05/15/06	08/17/06	11/17/06
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	NA	<5.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<10	NA	<5.0	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10	<10	NA	<5.0	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<10	NA	<5.0	NA	NA	NA	NA
2-Butanone	- -	<10	<10	NA	<10	NA	NA	NA	NA
2-Hexanone	50	<10	<10	NA	<10	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	NA	<10	NA	NA	NA	NA
Acetone	50	<10	37	NA	<10	NA	NA	NA	NA
Benzene	1	<10	<10	NA	<5.0	<0.40	<0.40	<0.40	<0.40
Bromodichloromethane	50	<10	<10	NA	<5.0	NA	NA	NA	NA
Bromoform	50	<10	<10	NA	<5.0	NA	NA	NA	NA
Bromomethane	5	<10	<10	NA	<5.0	NA	NA	NA	NA
Carbon Disulfide	- -	<10	<10	NA	<5.0	NA	NA	NA	NA
Chlorobenzene	5	<10	<10	NA	<5.0	NA	NA	NA	NA
Chloroform	7	<10	<10	NA	3.0 J	NA	NA	NA	NA
Chloromethane	- -	<10	<10	NA	<5.0	NA	NA	NA	NA
Dibromochloromethane	50	<10	<10	NA	<5.0	NA	NA	NA	NA
Ethylbenzene	5	6.0 J	5.0 J	NA	<5.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	5	<10	<10	NA	<5.0	NA	NA	NA	NA
Styrene	5	2.0 J	<10	NA	<5.0	NA	NA	NA	NA
Tetrachloroethene	5	<10	<10	NA	<5.0	NA	NA	NA	NA
Toluene	5	8.0 J	8.0 J	NA	<5.0	<0.30	<0.30	<0.30	<0.30
Trichloroethene	5	<10	<10	NA	<5.0	NA	NA	NA	NA
Vinyl Chloride	2	<10	<10	NA	<5.0	NA	NA	NA	NA
Xylenes (total)	5	36	31	NA	<5.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -	50 J	44 J	NA	<5.0	<1.0	<1.0	<1.0	<1.0
Total VOCs	- -	52 J	81 J	NA	3.0 J	<1.0	<1.0	<1.0	<1.0
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10	NA	<10	<10	NA	NA	NA	NA
2,4-Dinitrophenol	10	<25	NA	<25	<50	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	NA	1.0 J	<10	NA	NA	NA	NA
2-Methylnaphthalene	- -	7.0 J	NA	6.0 J	<10	<0.80	<0.60	<0.90	NA
2-Methylphenol	- -	<10	NA	<10	<10	NA	NA	NA	NA
2-Nitrophenol	- -	<10	NA	0.50 J	<10	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<10	NA	<10	<20	NA	NA	NA	NA
4-Methylphenol	- -	<10	NA	<10	<10	NA	NA	NA	NA
4-Nitroaniline	5	<25	NA	<25	<20	NA	NA	NA	NA
Acenaphthene	20	1.0 J	NA	2.0 J	<10	<1.0	<0.80	<1.0	NA
Acenaphthylene	- -	1.0 J	NA	1.0 J	<10	<0.90	<0.80	<1.0	NA
Anthracene	50	0.50 J	NA	1.0 J	<10	<1.0	<1.0	<1.0	NA
Benzo(a)anthracene	0.002	<10	NA	2.0 J	<10	<1.0	<1.0	<2.0	NA
Benzo(a)pyrene	0	<10	NA	0.80 J	<10	<1.0	<1.0	<2.0	NA
Benzo(b)fluoranthene	0.002	<10	NA	0.90 J	<10	<2.0	<2.0	<2.0	NA
Benzo(g,h,i)perylene	- -	<10	NA	0.80 J	<10	<1.0	<1.0	<1.0	NA
Benzo(k)fluoranthene	0.002	<10	NA	1.0 J	<10	<1.0	<0.90	<1.0	NA
bis(2-Ethylhexyl)phthalate	5	2.0 J	NA	55 B	0.90 J	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	NA	<10	<10	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	2.0 J	NA	2.0 J	<10	NA	NA	NA	NA
Chrysene	0.002	<10	NA	2.0 J	<10	<1.0	<1.0	<1.0	NA
Dibenzo(a,h)anthracene	- -	<10	NA	0.20 J	<10	<2.0	<1.0	<2.0	NA
Dibenzofuran	- -	2.0 J	NA	3.0 J	<10	NA	NA	NA	NA
Diethylphthalate	50	<10	NA	0.90 JB	0.40 J	NA	NA	NA	NA
Dimethylphthalate	50	<10	NA	<10	<10	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10	NA	0.70 JB	<10	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	NA	0.50 J	<10	NA	NA	NA	NA
Fluoranthene	50	0.90 J	NA	5.0 J	<10	<1.0	<1.0	<2.0	NA
Fluorene	50	1.0 J	NA	2.0 J	<10	<0.90	<0.80	<1.0	NA
Indeno(1,2,3-cd)pyrene	0.002	<10	NA	0.70 J	<10	<1.0	<1.0	<2.0	NA
Isophorone	50	<10	NA	<10	<10	NA	NA	NA	NA
Naphthalene	10	38	NA	27	<10	<0.80	<0.70	<0.90	NA
Phenanthrene	50	4.0 J	NA	10	<10	<0.80	<0.70	<0.90	NA
Phenol	1	2.0 J	NA	<10	<10	NA	NA	NA	NA
Pyrene	50	0.70 J	NA	4.0 J	<10	<1.0	<1.0	<1.0	NA
Total PAHs	- -	54 J	NA	66 J	<10	<2.0	<2.0	<2.0	NA
Total SVOCs	- -	62 J	NA	130 J	1.3 J	<2.0	<2.0	<2.0	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-8S							
Date Collected:	Values	03/30/98	05/20/98	05/21/98	04/21/03	02/07/06	05/15/06	08/17/06	11/17/06
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	NA	<0.15	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	<0.10	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	<0.10	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	<0.050	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	<0.050	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	<0.050	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	<0.050	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	<0.050	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	<0.10	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	<0.050	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	<0.10	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	<0.10	NA	NA	NA	NA
Endrin	0	NA	NA	NA	<0.10	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	<0.10	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	<0.050	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	<0.050	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	<0.050	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	<0.050	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	<0.50	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	1,070	NA	14,100	<2,500	NA	NA	NA	NA
Antimony	3	<4.00	NA	<4.00	<100	NA	NA	NA	NA
Arsenic	25	<2.00	NA	11.8	<200	NA	NA	NA	NA
Barium	1,000	48.4 BEN	NA	128 BE	10.3 BEJ	NA	NA	NA	NA
Beryllium	- -	<1.00	NA	1.40 B	<25.0	NA	NA	NA	NA
Cadmium	5	1.50 BN	NA	3.20 B	<50.0	NA	NA	NA	NA
Calcium	- -	1,090,000 E	NA	975,000 E	45,000 EJ	NA	NA	NA	NA
Chromium	50	27.5 N	NA	50.4	9.70 B	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	3.30 BN	NA	9.20 B	<50.0	NA	NA	NA	NA
Copper	200	11.4 B	NA	133	<50.0	NA	NA	NA	NA
Cyanide	200	112	NA	<10.0	27.5	14.7	8.10 B	NA	NA
Cyanide, Available	- -	NA	NA	NA	<2	<2	NA	NA	NA
Iron	300	1,030 EN	NA	16,800 E	277 B	NA	NA	NA	NA
Lead	25	1.20 B	NA	41.5	<500	NA	NA	NA	NA
Magnesium	- -	88,600 E	NA	36,500 E	36,900 EJ	NA	NA	NA	NA
Manganese	300	701 EN	NA	1,840	16.5 B	NA	NA	NA	NA
Mercury	0.7	0.720	NA	0.200 N	<0.200 J	NA	NA	NA	NA
Nickel	100	21.3 BN	NA	27.6 B	<150	NA	NA	NA	NA
Potassium	- -	1,860 B	NA	3,250 BE	<30.0	NA	NA	NA	NA
Selenium	10	18.4 N	NA	20.5	<2,000	NA	NA	NA	NA
Silver	50	<1.00	NA	<1.00	<200	NA	NA	NA	NA
Sodium	- -	36,400 E	NA	31,800	29,700	NA	NA	NA	NA
Thallium	- -	<3.00	NA	<3.00	<250	NA	NA	NA	NA
Vanadium	- -	3.60 BN	NA	29.9 B	<2,000	NA	NA	NA	NA
Zinc	2,000	40.5	NA	171	<150	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	NA	<50.0	NA	NA	NA	NA
Manganese	300	NA	NA	NA	<2,000	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	30,000,000	NA	1,350,000	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	4,200	NA	3,900	<2,000	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	2,000	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	NA	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	<2,000	NA	533,000	NA	NA	NA	NA	NA
COD	- -	27,600	NA	19,600	14,700	NA	NA	NA	NA
Chloride	250,000	16,700	NA	23,000	25,000	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	420 B	NA	NA	NA	NA
Hardness, Ca/CO3	- -	3,100,000	NA	2,580,000	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	NA	18	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	1,330	NA	NA	NA
Nitrate Nitrogen	10,000	7,890	NA	5,310	3,700	NA	NA	NA	NA
Nitrite Nitrogen	1,000	96	NA	141	49 B	NA	NA	NA	NA
Oil and Grease	- -	<1,000	NA	17,700	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	NA	3,300	NA	NA	NA	NA
pH	- -	12.4	NA	12.32	NA	NA	NA	NA	NA
Sulfate	250,000	230,000	NA	223,000	210,000	180,000	NA	NA	NA
Sulfide	50	<5,000	NA	<1,000	<1,000	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	NA	3,700	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	1,360,000	NA	1,680,000	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-8D				MW-9S	MW-9D	MW-10S	MW-10D
Date Collected:	Values	03/30/98	05/20/98	10/31/00	04/21/03	10/30/00	10/27/00	10/31/00	10/31/00
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<10	<10	<500 [<500]	<25	<10	<200	2.0 J	<100
1,1,2,2-Tetrachloroethane	5	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
1,1,2-Trichloroethane	1	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
1,1-Dichloroethane	5	<10	<10	<500 [<500]	<25	<10	24 J	0.80 J	11 J
2-Butanone	- -	<10	<10	<500 [<500]	16 J	<10	<200	<10	<100
2-Hexanone	50	<10	<10	<500 [<500]	<50	<10	<200	<10	<100
4-Methyl-2-pentanone	- -	<10	<10	<500 [<500]	<50	<10	<200	<10	<100
Acetone	50	<10	320	1,300 [1,100]	50	7.0	410	3.0 J	59 J
Benzene	1	14 J	390	430 J [430 J]	21 J	<10	240	<10	1,000
Bromodichloromethane	50	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Bromoform	50	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Bromomethane	5	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Carbon Disulfide	- -	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Chlorobenzene	5	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Chloroform	7	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Chloromethane	- -	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Dibromochloromethane	50	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Ethylbenzene	5	130	310	410 J [410 J]	100	0.40 J	370	<10	170
Methylene Chloride	5	<10	31 J	330 J [380 J]	<25	0.50 J	370	0.70 J	14 J
Styrene	5	330	960	1,100 [1,100]	270	<10	<200	<10	540
Tetrachloroethene	5	<10	<10	<500 [<500]	<25	0.50 J	<200	<10	<100
Toluene	5	230	3,700	4,400 [4,500]	120	2.0 J	780	<10	1,900
Trichloroethene	5	<10	<10	<500 [<500]	<25	2.0 J	<200	<10	<100
Vinyl Chloride	2	<10	<10	<500 [<500]	<25	<10	<200	<10	<100
Xylenes (total)	5	1,500	4,900	5,800 [5,900]	1,300	4.0 J	3,900	<10	2,700
Total BTEX	- -	1,900 J	9,300	11,000 J [11,000 J]	1,500 J	6.4 J	5,300	<10	5,800
Total VOCs	- -	2,200 J	11,000 J	14,000 J [14,000 J]	1,900 J	16 J	6,100 J	6.5 J	6,400 J
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	<10	130 J	150 J [140 J]	<1,000	<22	<2,000	<54	200 J
2,4-Dinitrophenol	10	<25	<25	<2,700 [<2,500]	<5,000	<55	<5,000	<140	<2,000
2-Chloronaphthalene	10	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
2-Methylnaphthalene	- -	720 J	89 J	180 J [170 J]	750 J	9.0 J	340 J	10 J	880 J
2-Methylphenol	- -	<10	82 J	<1,100 [<1,000]	<1,000	<22	<2,000	<54	54 J
2-Nitrophenol	- -	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
3,3'-Dichlorobenzidine	5	<10	<10	<1,100 [<1,000]	<2,000	<22	<2,000	<54	<2,000
4-Methylphenol	- -	<10	100 J	<1,100 [<1,000]	<1,000	<22	<2,000	<54	58 J
4-Nitroaniline	5	<25	<25	<2,700 [<2,500]	<2,000	<55	<5,000	<140	<2,000
Acenaphthene	20	<10	<10	<1,100 [<1,000]	<1,000	0.80 J	45 J	8.0 J	41 J
Acenaphthylene	- -	320 J	32 J	63 J [57 J]	320 J	11 J	<2,000	29 J	460 J
Anthracene	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Benzo(a)anthracene	0.002	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Benzo(a)pyrene	0	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Benzo(b)fluoranthene	0.002	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Benzo(g,h,i)perylene	- -	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Benzo(k)fluoranthene	0.002	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
bis(2-Ethylhexyl)phthalate	5	<10	<10	<1,100 [<1,000]	<1,000	0.50 J	<2,000	<54	<2,000
Butylbenzylphthalate	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Detected Semivolatile Organics									
Carbazole	- -	84 J	<10	<1,100 [<1,000]	91 J	20 J	120	23 J	350 J
Chrysene	0.002	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Dibenzo(a,h)anthracene	- -	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Dibenzofuran	- -	74 J	<10	<1,100 [28 J]	110 J	2.0 J	<2,000	18 J	160 J
Diethylphthalate	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Dimethylphthalate	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Di-n-Butylphthalate	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Di-n-Octylphthalate	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Fluoranthene	50	<10	<10	<1,100 [<1,000]	<1,000	0.30 J	<2,000	<54	<2,000
Fluorene	50	52 J	<10	<1,100 [<1,000]	89 J	3.0 J	<2,000	15 J	120 J
Indeno(1,2,3-cd)pyrene	0.002	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Isophorone	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Naphthalene	10	7,800	5,600	5,300 [5,300]	4,600	120	11,000	260 J	12,000
Phenanthrene	50	<10	<10	<1,100 [<1,000]	59 J	0.40 J	<2,000	3.0 J	65 J
Phenol	1	100 J	<10	<1,100 [<1,000]	<1,000	3.0 J	80 J	<54	<2,000
Pyrene	50	<10	<10	<1,100 [<1,000]	<1,000	<22	<2,000	<54	<2,000
Total PAHs	- -	8,900 J	5,700 J	5,500 J [5,500 J]	5,800 J	150 J	11,000 J	330 J	14,000 J
Total SVOCs	- -	9,200 J	6,000 J	5,700 J [5,700 J]	6,000 J	170 J	12,000 J	370 J	14,000 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-8D				MW-9S	MW-9D	MW-10S	MW-10D
Date Collected:	Values	03/30/98	05/20/98	10/31/00	04/21/03	10/30/00	10/27/00	10/31/00	10/31/00
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	<0.11 [<0.11]	<0.15	<0.11	<0.10	0.020 J	<0.10
4,4'-DDE	0.2	NA	NA	<0.11 [<0.11]	0.053 J	<0.11	<0.10	<0.11	<0.10
4,4'-DDT	0.2	NA	NA	<0.11 [<0.11]	<0.10	<0.11	<0.10	0.097 J	<0.10
Aldrin	0	NA	NA	<0.054 [<0.055]	<0.050	<0.056	<0.050	<0.054	<0.050
Alpha-BHC	0.01	NA	NA	<0.054 [0.018 J]	0.022 J	<0.056	<0.050	<0.054	<0.050
Alpha-Chlordane	0.05	NA	NA	<0.054 [<0.055]	0.028 J	<0.056	<0.050	<0.054	<0.050
Beta-BHC	- -	NA	NA	<0.054 [0.073]	0.027 J	<0.056	<0.050	<0.054	<0.050
Delta-BHC	- -	NA	NA	<0.054 [0.046 J]	0.12	0.037 J	<0.050	0.057	<0.050
Dieldrin	0.004	NA	NA	<0.11 [<0.11]	<0.10	<0.11	0.038 J	<0.11	<0.10
Endosulfan I	- -	NA	NA	<0.054 [<0.055]	<0.050	<0.056	<0.050	<0.054	<0.050
Endosulfan II	- -	NA	NA	<0.11 [<0.11]	0.13	<0.11	0.024 J	<0.11	<0.10
Endosulfan Sulfate	- -	NA	NA	<0.11 [<0.11]	<0.10	<0.11	<0.10	<0.11	<0.10
Endrin	0	NA	NA	<0.11 [0.029 J]	0.10	<0.11	<0.10	0.069 J	<0.10
Endrin Aldehyde	5	NA	NA	<0.11 [<0.11]	<0.10	<0.11	<0.10	<0.11	<0.10
Gamma-BHC (Lindane)	0.05	NA	NA	<0.054 [<0.055]	<0.050	<0.056	<0.050	<0.054	<0.050
Gamma-Chlordane	0.05	NA	NA	<0.054 [<0.055]	<0.050	<0.056	<0.050	<0.054	<0.050
Heptachlor	0.04	NA	NA	<0.054 [<0.055]	<0.050	<0.056	<0.050	<0.054	<0.050
Heptachlor Epoxide	0.03	NA	NA	<0.054 [<0.055]	<0.050	<0.056	0.013 J	<0.054	<0.050
Methoxychlor	35	NA	NA	<0.54 [<0.55]	<0.50	<0.56	<0.50	<0.54	<0.50
Detected Inorganics									
Aluminum	- -	7,540	44,700	124 [128]	<2,500	719	504	36.4	44.7
Antimony	3	<4.00	4.00 B	<5.00 [<5.00]	<100	<5.00	<5.00	<5.00	<5.00
Arsenic	25	5.30 B	40.5	<2.50 [<2.50]	<200	4.30	2.60	11.1	<2.50
Barium	1,000	62.4 BEN	408	34.2 [34.8]	11.9 BEJ	13.0	14.9	10.5	30.7
Beryllium	- -	<1.00	2.90 B	<0.500 [<0.500]	<25.0	<5.00	<5.00	<5.00	<5.00
Cadmium	5	<1.00	1.60 B	<0.500 [<0.500]	<50.0	<5.00	<5.00	<5.00	<5.00
Calcium	- -	258,000 E	724,000	34,000 [34,200]	208,000 EJ	82,500	51,600	132,000	166,000
Chromium	50	16.6 N	111	1.10 [<1.00]	<50.0	1.30	4.40	1.80	1.90
Detected Inorganics									
Cobalt	- -	5.90 BN	45.5 B	<1.00 [<1.00]	<50.0	<1.00	<1.00	1.20	<1.00
Copper	200	32.8	216	1.90 [2.40]	<50.0	3.10	3.80	5.00	1.60
Cyanide	200	1,590	352	358 [299]	717	<10.0	1,650	143	73.0
Cyanide, Available	- -	NA	NA	11 [21]	10	<2	5	17	23
Iron	300	14,600 EN	103,000	414 [407]	664 B	110	2,220	271	141
Lead	25	18.7	133	<2.00 [<2.00]	<50.0	<2.00	<2.00	<2.00	<2.00
Magnesium	- -	8,800 E	72,000	453 [458]	263 BJ	3,370	35,700	41,000	3,640
Manganese	300	358 EN	2,960	7.30 [7.50]	<75.0	2.20	29.6	105	3.40
Mercury	0.7	0.380	0.310 N	<0.100 [<0.100]	<0.200 J	<0.100	<0.100	<0.100	<0.100
Nickel	100	19.7 BN	120	2.70 [2.50]	<50.0	1.80	6.60	26.0	7.10
Potassium	- -	16,100	14,500	10,300 [10,500]	13,500	3,370	3,610	16,100	16,700
Selenium	10	6.00 N	11.8	6.40 [6.70]	<150	<5.00	<5.00	23.0	8.30
Silver	50	<1.00	<1.00	<1.00 [<1.00]	<30.0	<1.00	<1.00	<1.00	<1.00
Sodium	- -	79,300 E	131,000	140,000 [142,000]	66,600	108,000	100,000	51,900	90,200
Thallium	- -	<3.00	<3.00	<6.00 [<6.00]	<200	<6.00	<6.00	<6.00	<6.00
Vanadium	- -	16.5 BN	88.6	4.00 [4.00]	<30.0	6.80	2.60	4.80	4.00
Zinc	2,000	61.5	440	6.70 [8.00]	<250	<5.00	7.30	21.2	<5.00
Detected Inorganics-Filtered									
Iron	300	NA	NA	199 [243]	<2,000	68.1	780	205	<100
Manganese	300	NA	NA	<10.0 [<10.0]	<150	1.40	4.50	120	<10.0
Detected Miscellaneous									
Alkalinity, CaCO3	- -	394,000	142,000	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	22,200	20,100	10,600 [15,400]	<2,000	4,600	42,900	3,100	42,600
Carbon Dioxide by Headspace	- -	NA	NA	<600 [<600]	<600	<600	NA	76,010	<600
Carbon monoxide	- -	NA	NA	<400 [<400]	<400	<400	NA	<400	<400
Carbonate, CaCO3	- -	198,000	12,700	NA	NA	NA	NA	NA	NA
COD	- -	36,300	51,500	129,000 [127,000]	98,100	22,000	142,000	24,400	147,000
Chloride	250,000	148,000	264,000	333,000 [346,000]	100,000	91,600	236,000	24,000	157,000
DOC Average Quads	- -	NA	NA	43,000 [45,700]	25,000	9,300	36,100	16,300	66,200
Hardness, Ca/CO3	- -	680,000	2,100,000	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	11,240 [11,220]	920	<70	NA	<70	360
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	10,000	<100	252	<100 [<100]	<100	<100	<100	<100	413
Nitrite Nitrogen	1,000	14	217	<100 [<100]	230	131	<100	<100	413
Oil and Grease	- -	1,100	1,700	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	880 [750]	610	4,410	NA	1,010	3,590
pH	- -	11.5	8.9	NA	NA	NA	NA	NA	NA
Sulfate	250,000	243,000	69,600	84,200 [77,000]	170,000	69,000	124,000	157,000	187,000
Sulfide	50	7,900	4,730	6,000 [6,300]	8,200	<1,000	15,600	<1,000	<1,000
TOC Average Quads	- -	NA	NA	44,900 [47,400]	29,000	8,690	46,000	16,600	65,600
Total Dissolved Solids	1,000,000	761,000	618,000	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-11S						
Date Collected:	Values	11/01/00	03/25/03	01/30/06	05/09/06	08/16/06	11/14/06	03/01/13
Detected Volatile Organics								
1,1,1-Trichloroethane	5	<20	<5.0	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<20	<5.0	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<20	<5.0	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	<20	<5.0	NA	NA	NA	NA	NA
2-Butanone	- -	8.0 J	<10	NA	NA	NA	NA	NA
2-Hexanone	50	<20	<10	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<20	<10	NA	NA	NA	NA	NA
Acetone	50	53	23	NA	NA	NA	NA	NA
Benzene	1	28	6.0	6.1	3.5 J	5.7	4.1 J	4.2
Bromodichloromethane	50	<20	<5.0	NA	NA	NA	NA	NA
Bromoform	50	<20	0.40	NA	NA	NA	NA	NA
Bromomethane	5	<20	<5.0	NA	NA	NA	NA	NA
Carbon Disulfide	- -	<20	<5.0	NA	NA	NA	NA	NA
Chlorobenzene	5	<20	<5.0	NA	NA	NA	NA	NA
Chloroform	7	<20	<5.0	NA	NA	NA	NA	NA
Chloromethane	- -	<20	<5.0	NA	NA	NA	NA	NA
Dibromochloromethane	50	<20	<5.0	NA	NA	NA	NA	NA
Ethylbenzene	5	47	11	38	18	31	26	17
Methylene Chloride	5	7.0 J	<5.0	NA	NA	NA	NA	NA
Styrene	5	89	12	NA	NA	NA	NA	NA
Tetrachloroethene	5	<20	<5.0	NA	NA	NA	NA	NA
Toluene	5	280	40	54	26	33	23	12
Trichloroethene	5	<20	<5.0	NA	NA	NA	NA	NA
Vinyl Chloride	2	<20	<5.0	NA	NA	NA	NA	NA
Xylenes (total)	5	500	<5.0	210	94	140	110	92
Total BTEX	- -	860	57	310	140 J	210	160 J	120
Total VOCs	- -	1,000 J	92	310	140 J	210	160 J	120
Detected Semivolatile Organics								
2,4-Dimethylphenol	50	<260	<54	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	<660	<270	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	<260	<54	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	180 J	47 J	78 J	84 J	95 J	45 J	NA
2-Methylphenol	- -	<260	<54	NA	NA	NA	NA	NA
2-Nitrophenol	- -	<260	<54	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<260	<110	NA	NA	NA	NA	NA
4-Methylphenol	- -	<260	<54	NA	NA	NA	NA	NA
4-Nitroaniline	5	<660	<110	NA	NA	NA	NA	NA
Acenaphthene	20	<260	<54	<16	<9.0	<16	<8.0	NA
Acenaphthylene	- -	52 J	12 J	25 J	24 J	31 J	15 J	NA
Anthracene	50	4.0 J	<54	<20	<11	<20	<10	NA
Benzo(a)anthracene	0.002	<260	<54	<24	<13	<24	<8.0	NA
Benzo(a)pyrene	0	<260	<54	<22	<12	<22	<5.0	NA
Benzo(b)fluoranthene	0.002	<260	<54	<31	<17	<31	<10	NA
Benzo(g,h,i)perylene	- -	<260	<54	<21	<11	<21	<3.0	NA
Benzo(k)fluoranthene	0.002	<260	<54	<18	<10	<18	<9.0	NA
bis(2-Ethylhexyl)phthalate	5	<260	<54	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	<260	<54	NA	NA	NA	NA	NA
Detected Semivolatile Organics								
Carbazole	- -	21 J	<54	NA	NA	NA	NA	NA
Chrysene	0.002	<260	<54	<19	<11	<19	<12	NA
Dibenzo(a,h)anthracene	- -	<260	<54	<27	<15	<27	<2.0	NA
Dibenzofuran	- -	13 J	4.0 J	NA	NA	NA	NA	NA
Diethylphthalate	50	<260	<54	NA	NA	NA	NA	NA
Dimethylphthalate	50	<260	<54	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	<260	<54	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	<260	<54	NA	NA	NA	NA	NA
Fluoranthene	50	<260	<54	<22	<12	<22	<9.0	NA
Fluorene	50	9.0 J	<54	<15	<8.0	<15	<7.0	NA
Indeno(1,2,3-cd)pyrene	0.002	<260	<54	<23	<13	<23	<3.0	NA
Isophorone	50	<260	<54	NA	NA	NA	NA	NA
Naphthalene	10	1,900	380	920	580	840	460	1,800
Phenanthrene	50	4.0 J	<54	<13	<7.0	<13	<7.0	NA
Phenol	1	31 J	5.0 J	NA	NA	NA	NA	NA
Pyrene	50	<260	<54	<20	<11	<20	<10	NA
Total PAHs	- -	2,200 J	440 J	1,000 J	690 J	970 J	520 J	NA
Total SVOCs	- -	2,200 J	450 J	1,000 J	690 J	970 J	520 J	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-11S						
Date Collected:	Values	11/01/00	03/25/03	01/30/06	05/09/06	08/16/06	11/14/06	03/01/13
Detected Pesticides								
4,4'-DDD	0.3	0.014 J	<0.017	NA	NA	NA	NA	NA
4,4'-DDE	0.2	<0.10	<0.11	NA	NA	NA	NA	NA
4,4'-DDT	0.2	0.090 J	<0.11 J	NA	NA	NA	NA	NA
Aldrin	0	<0.050	<0.056	NA	NA	NA	NA	NA
Alpha-BHC	0.01	<0.050	<0.056	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	<0.050	<0.056	NA	NA	NA	NA	NA
Beta-BHC	- -	<0.050	<0.056	NA	NA	NA	NA	NA
Delta-BHC	- -	0.017 J	<0.056	NA	NA	NA	NA	NA
Dieldrin	0.004	<0.10	<0.11	NA	NA	NA	NA	NA
Endosulfan I	- -	<0.050	<0.056	NA	NA	NA	NA	NA
Endosulfan II	- -	<0.10	<0.11	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	0.016 J	<0.11	NA	NA	NA	NA	NA
Endrin	0	<0.10	<0.11	NA	NA	NA	NA	NA
Endrin Aldehyde	5	<0.10	<0.11	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	<0.050	0.0084 J	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	<0.050	<0.056	NA	NA	NA	NA	NA
Heptachlor	0.04	<0.050	<0.034 J	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	<0.050	<0.056	NA	NA	NA	NA	NA
Methoxychlor	35	<0.50	<0.56	NA	NA	NA	NA	NA
Detected Inorganics								
Aluminum	- -	2,160	<2,500	NA	NA	NA	NA	NA
Antimony	3	<5.00	<100	NA	NA	NA	NA	NA
Arsenic	25	2.60	<200	NA	NA	NA	NA	NA
Barium	1,000	80.8	34.3	NA	NA	NA	NA	NA
Beryllium	- -	<5.00	<25.0	NA	NA	NA	NA	NA
Cadmium	5	<5.00	<50.0	NA	NA	NA	NA	NA
Calcium	- -	356,000	393,000	NA	NA	NA	NA	NA
Chromium	50	4.20	<50.0	NA	NA	NA	NA	NA
Detected Inorganics								
Cobalt	- -	1.30	<50.0	NA	NA	NA	NA	NA
Copper	200	7.10	<50.0	NA	NA	NA	NA	NA
Cyanide	200	683	242 J	291	353	216	418 J	1,100
Cyanide, Available	- -	3	8	<2	NA	NA	NA	30
Iron	300	4,830	<1,000	NA	NA	NA	NA	243
Lead	25	2.90	<50.0	NA	NA	NA	NA	NA
Magnesium	- -	2,170	81,400	NA	NA	NA	NA	NA
Manganese	300	210	<75.0	NA	NA	NA	NA	1.70 B
Mercury	0.7	<0.100	<0.200	NA	NA	NA	NA	NA
Nickel	100	6.60	<50.0	NA	NA	NA	NA	NA
Potassium	- -	18,600	8,630 EJ	NA	NA	NA	NA	NA
Selenium	10	6.40	<150 J	NA	NA	NA	NA	NA
Silver	50	<1.00	<30.0	NA	NA	NA	NA	NA
Sodium	- -	97,200	147,000	NA	NA	NA	NA	NA
Thallium	- -	<6.00	<200	NA	NA	NA	NA	NA
Vanadium	- -	6.70	<30.0	NA	NA	NA	NA	NA
Zinc	2,000	37.0	<250	NA	NA	NA	NA	NA
Detected Inorganics-Filtered								
Iron	300	451	<200	NA	NA	NA	NA	NA
Manganese	300	<10.0	<15.0	NA	NA	NA	NA	NA
Detected Miscellaneous								
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	10,700
BOD	- -	NA	7,000	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	<600	<600	NA	NA	NA	NA	<100
Carbon monoxide	- -	<400	<400	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
COD	- -	81,900	46,700	NA	NA	NA	NA	NA
Chloride	250,000	157,000	200,000	NA	NA	NA	NA	NA
DOC Average Quads	- -	21,600	12,000	NA	NA	NA	NA	12,400
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	240
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	<100
Methane	- -	330	34	NA	NA	NA	NA	53.1
Nitrate + Nitrite (as N)	- -	NA	NA	2,410	NA	NA	NA	700
Nitrate Nitrogen	10,000	<100	370	NA	NA	NA	NA	690
Nitrite Nitrogen	1,000	<100	240	NA	NA	NA	NA	14
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	75 B
Oxygen	- -	2,930	10,000	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	245,000	930,000	359,000	NA	NA	NA	323,000
Sulfide	50	<1,000	<1,000	NA	NA	NA	NA	14,400
TOC Average Quads	- -	21,900	13,000	NA	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-11D							MW-11D2
Date Collected:	Values	11/01/00	03/25/03	01/26/06	05/10/06	08/17/06	11/15/06	03/01/13	03/26/03
Detected Volatile Organics									
1,1,1-Trichloroethane	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
1,1,2,2-Tetrachloroethane	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
1,1,2-Trichloroethane	1	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
1,1-Dichloroethane	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
2-Butanone	- -	<100	<10 [<10]	NA	NA	NA	NA	NA	<10
2-Hexanone	50	<100	<10 [<10]	NA	NA	NA	NA	NA	<10
4-Methyl-2-pentanone	- -	<100	<10 [<10]	NA	NA	NA	NA	NA	<10
Acetone	50	<100	<10 [<10]	NA	NA	NA	NA	NA	<10
Benzene	1	1,200	84 [84]	460	200	190	340	190	<5.0
Bromodichloromethane	50	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Bromoform	50	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Bromomethane	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Carbon Disulfide	- -	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Chlorobenzene	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Chloroform	7	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Chloromethane	- -	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Dibromochloromethane	50	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Ethylbenzene	5	570	62 [62]	250	150	140	150	250	<5.0
Methylene Chloride	5	16 J	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Styrene	5	<100	46 [46]	NA	NA	NA	NA	NA	<5.0
Tetrachloroethene	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Toluene	5	2,000	51 [51]	580	98	130	380	180	<5.0
Trichloroethene	5	<100	<5.0 [<5.0]	NA	NA	NA	NA	NA	<5.0
Vinyl Chloride	2	<100	3.0 J [3.0 J]	NA	NA	NA	NA	NA	<5.0
Xylenes (total)	5	2,800	230 [230]	530	170	180	320	360	<5.0
Total BTEX	- -	6,600	430 [430]	1,800	620	640	1,200	980	<5.0
Total VOCs	- -	6,600 J	480 J [480 J]	1,800	620	640	1,200	980	<10
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	240 J	<210 [<200]	NA	NA	NA	NA	NA	<11
2,4-Dinitrophenol	10	<2,500	<1,100 [<1,000]	NA	NA	NA	NA	NA	<54
2-Chloronaphthalene	10	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
2-Methylnaphthalene	- -	<1,000	96 J [98 J]	33 J	<32	15 J	23 J	NA	<11
2-Methylphenol	- -	210 J	<210 [<200]	NA	NA	NA	NA	NA	<11
2-Nitrophenol	- -	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
3,3'-Dichlorobenzidine	5	<1,000	<420 [400]	NA	NA	NA	NA	NA	<22
4-Methylphenol	- -	300 J	20 J [<200 J]	NA	NA	NA	NA	NA	<11
4-Nitroaniline	5	<2,500	<420 [400]	NA	NA	NA	NA	NA	<22
Acenaphthene	20	<1,000	<210 [<200]	<20	<40	<17	<17	NA	<11
Acenaphthylene	- -	<1,000	37 J [37 J]	<19	<38	<16	<17	NA	<11
Anthracene	50	<1,000	<210 [<200]	<25	<50	<22	<21	NA	<11
Benzo(a)anthracene	0.002	<1,000	<210 [<200]	<30	<60	<26	<16	NA	<11
Benzo(a)pyrene	0	<1,000	<210 [<200]	<27	<54	<23	<11	NA	<11
Benzo(b)fluoranthene	0.002	<1,000	<210 [<200]	<38	<77	<33	<20	NA	<11
Benzo(g,h,i)perylene	- -	<1,000	<210 [<200]	<26	<52	<23	<7.0	NA	<11
Benzo(k)fluoranthene	0.002	<1,000	<210 [<200]	<23	<46	<20	<20	NA	<11
bis(2-Ethylhexyl)phthalate	5	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Butylbenzylphthalate	50	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Detected Semivolatile Organics									
Carbazole	- -	<1,000	<210 J [13 J]	NA	NA	NA	NA	NA	<11
Chrysene	0.002	<1,000	<210 [<200]	<24	<48	<21	<24	NA	<11
Dibenzo(a,h)anthracene	- -	<1,000	<210 [<200]	<34	<67	<29	<5.0	NA	<11
Dibenzofuran	- -	<1,000	12 J [12 J]	NA	NA	NA	NA	NA	<11
Diethylphthalate	50	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Dimethylphthalate	50	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Di-n-Butylphthalate	50	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Di-n-Octylphthalate	50	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Fluoranthene	50	<1,000	<210 [<200]	<27	<54	<23	<19	NA	<11
Fluorene	50	<1,000	<210 [<200]	<19	<38	<17	<15	NA	<11
Indeno(1,2,3-cd)pyrene	0.002	<1,000	<210 [<200]	<29	<58	<25	<7.0	NA	<11
Isophorone	50	<1,000	<210 [<200]	NA	NA	NA	NA	NA	<11
Naphthalene	10	3,700	1,100 [1,100]	1,200	1,300	950	1,300	4,000	4.0 J
Phenanthrene	50	<1,000	<210 [<200]	<16	<33	<14	<15	NA	<11
Phenol	1	120 J	<210 [<200]	NA	NA	NA	NA	NA	<11
Pyrene	50	<1,000	<210 [<200]	<25	<50	<22	<21	NA	<11
Total PAHs	- -	3,700	1,200 J [1,200 J]	1,200 J	1,300	970 J	1,300 J	NA	4.0 J
Total SVOCs	- -	4,600 J	1,300 J [2,100 J]	1,200 J	1,300	970 J	1,300 J	NA	4.0 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-11D							MW-11D2
Date Collected:	Values	11/01/00	03/25/03	01/26/06	05/10/06	08/17/06	11/15/06	03/01/13	03/26/03
Detected Pesticides									
4,4'-DDD	0.3	<0.11	<0.16 J [<0.16 J]	NA	NA	NA	NA	NA	<0.18
4,4'-DDE	0.2	0.031 J	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12
4,4'-DDT	0.2	0.29	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12 J
Aldrin	0	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Alpha-BHC	0.01	<0.054	0.060 [0.053]	NA	NA	NA	NA	NA	<0.060
Alpha-Chlordane	0.05	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Beta-BHC	- -	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Delta-BHC	- -	0.019 J	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	0.012 J
Dieldrin	0.004	<0.11	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12
Endosulfan I	- -	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Endosulfan II	- -	<0.11	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12
Endosulfan Sulfate	- -	<0.11	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12
Endrin	0	<0.11	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12
Endrin Aldehyde	5	<0.11	<0.11 J [<0.11 J]	NA	NA	NA	NA	NA	<0.12
Gamma-BHC (Lindane)	0.05	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Gamma-Chlordane	0.05	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Heptachlor	0.04	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Heptachlor Epoxide	0.03	<0.054	<0.055 J [<0.053 J]	NA	NA	NA	NA	NA	<0.060
Methoxychlor	35	<0.54	<0.55 J [<0.53 J]	NA	NA	NA	NA	NA	<0.60
Detected Inorganics									
Aluminum	- -	1,580	189 B [298 B]	NA	NA	NA	NA	NA	1,390 B
Antimony	3	<5.00	<20.0 [<20.0]	NA	NA	NA	NA	NA	<100
Arsenic	25	7.00	<40.0 [<40.0]	NA	NA	NA	NA	NA	<200
Barium	1,000	67.8	591 [595]	NA	NA	NA	NA	NA	74.2
Beryllium	- -	<5.00	<5.00 [<5.00]	NA	NA	NA	NA	NA	<25.0
Cadmium	5	<5.00	<10.0 [<10.0]	NA	NA	NA	NA	NA	<50.0
Calcium	- -	34,900	109,000 [111,000]	NA	NA	NA	NA	NA	1,200,000
Chromium	50	4.60	<10.0 [<10.0]	NA	NA	NA	NA	NA	<50.0
Detected Inorganics									
Cobalt	- -	1.90	<10.0 [<10.0]	NA	NA	NA	NA	NA	<50.0
Copper	200	9.20	<10.0 [<10.0]	NA	NA	NA	NA	NA	8.60 B
Cyanide	200	158	65.0 J [40.1 J]	8.70 B	25.9	48.6	36.0 J	610	<10.0 J
Cyanide, Available	- -	10	<2 [<2]	<2	NA	NA	NA	8.3	300
Iron	300	4,200	758 [677]	NA	NA	NA	NA	1,370	19,600
Lead	25	<2.00	<10.0 [<10.0]	NA	NA	NA	NA	NA	<50.0
Magnesium	- -	2,920	31,200 [31,600]	NA	NA	NA	NA	NA	244,000
Manganese	300	91.2	238 [240]	NA	NA	NA	NA	29.2	238
Mercury	0.7	<0.100	<0.200 [<0.200]	NA	NA	NA	NA	NA	<0.200
Nickel	100	7.70	<10.0 [<10.0]	NA	NA	NA	NA	NA	<50.0
Potassium	- -	7,580	24,200 EJ [24,400 EJ]	NA	NA	NA	NA	NA	571,000 EJ
Selenium	10	<5.00	<30.0 J [<30.0 J]	NA	NA	NA	NA	NA	<150 J
Silver	50	<1.00	<6.00 [<6.00]	NA	NA	NA	NA	NA	<30.0
Sodium	- -	212,000	156,000 [15,800]	NA	NA	NA	NA	NA	593,000
Thallium	- -	8.00	<40.0 [<40.0]	NA	NA	NA	NA	NA	<20.0
Vanadium	- -	10.0	<6.00 [<6.00]	NA	NA	NA	NA	NA	<30.0
Zinc	2,000	30.2	<50.0 [<50.0]	NA	NA	NA	NA	NA	<250
Detected Inorganics-Filtered									
Iron	300	164	350 [288]	NA	NA	NA	NA	NA	10,400
Manganese	300	19.0	237 [216]	NA	NA	NA	NA	NA	118
Detected Miscellaneous									
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	72,200	NA
BOD	- -	NA	5,000 [5,300]	NA	NA	NA	NA	NA	390 B
Carbon Dioxide by Headspace	- -	<600	19,000 [20,000]	NA	NA	NA	NA	152	150,000
Carbon monoxide	- -	<400	<400 [<400]	NA	NA	NA	NA	NA	<400
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	124,000	40,500 [38,300]	NA	NA	NA	NA	NA	991,000
Chloride	250,000	465,000	1,300,000 [1,300,000]	NA	NA	NA	NA	NA	95,000,000
DOC Average Quads	- -	35,100	9,600 [10,000]	NA	NA	NA	NA	16,300	19,000
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	1,400	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	<100	NA
Methane	- -	9,490	1,700 [1,700]	NA	NA	NA	NA	1,190	280
Nitrate + Nitrite (as N)	- -	NA	NA	<40	NA	NA	NA	460	NA
Nitrate Nitrogen	10,000	<100	<100 [<100]	NA	NA	NA	NA	450	<25,000
Nitrite Nitrogen	1,000	<100	<5,000 [<5,000]	NA	NA	NA	NA	5.3 B	<50,000
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	190	NA
Oxygen	- -	1,010	5,600 [5,200]	NA	NA	NA	NA	NA	3,300
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	26,300	160,000 [170,000]	15,700	NA	NA	NA	22,400	2,500,000
Sulfide	50	3,000	600 B [400 B]	NA	NA	NA	NA	1,700 B	500 B
TOC Average Quads	- -	40,900	11,000 [10,000]	NA	NA	NA	NA	NA	20,000
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-12S								
Date Collected:	Values	11/01/00	03/26/03	01/31/06	05/09/06	08/15/06	11/15/06	03/27/08	12/08/10	02/26/13
Detected Volatile Organics										
1,1,1-Trichloroethane	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	<10	13	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	<10	<10	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	<10	NA	NA	NA	NA	NA	NA	NA
Acetone	50	49	84	NA	NA	NA	NA	NA	NA	NA
Benzene	1	4.0 J	7.0	7.9	9.4	11	3.9 J	NA	<5.0	5.6
Bromodichloromethane	50	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	0.70 J	<5.0	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	11	16	30	33	23	6.7	NA	<5.0	12
Methylene Chloride	5	2.0 J	<5.0	NA	NA	NA	NA	NA	NA	NA
Styrene	5	<10	9.0	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Toluene	5	15	20	28	27	24	8.1	NA	0.89 J	15
Trichloroethene	5	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	<10	<5.0	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	76	<5.0	190	180	110	33	NA	2.9 J	61
Total BTEX	- -	110 J	43	260	250	170	52 J	NA	3.8 J	94
Total VOCs	- -	160 J	150	260	250	170	52 J	NA	3.8 J	94
Detected Semivolatile Organics										
2,4-Dimethylphenol	50	6.0 J	2.0 J	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	<50	<55	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	<20	<11	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	3.0 J	0.80 J	3.0 J	7.0 J	4.0 J	1.0 J	NA	<4.2	NA
2-Methylphenol	- -	6.0 J	2.0 J	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	<20	<11	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<20	<22	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	14 J	4.0 J	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	<50	<22	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<20	<11	<3.0	<3.0	<2.0	<0.90	NA	<4.2	NA
Acenaphthylene	- -	<20	6.0 J	<3.0	<3.0	<2.0	<0.90	NA	<4.2	NA
Anthracene	50	<20	<11	<4.0	<4.0	<2.0	<1.0	NA	<4.2	NA
Benzo(a)anthracene	0.002	<20	<11	<5.0	<5.0	<3.0	<0.80	NA	<4.2	NA
Benzo(a)pyrene	0	<20	<11	<4.0	<4.0	<2.0	<0.50	NA	<4.2	NA
Benzo(b)fluoranthene	0.002	<20	<11	<6.0	<6.0	<3.0	<1.0	NA	<4.2	NA
Benzo(g,h,i)perylene	- -	<20	<11	<4.0	<4.0	<2.0	<0.40	NA	<4.2	NA
Benzo(k)fluoranthene	0.002	<20	<11	<4.0	<4.0	<2.0	<1.0	NA	<4.2	NA
bis(2-Ethylhexyl)phthalate	5	0.50 J	<11	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	<20	<11	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics										
Carbazole	- -	0.60 J	<11	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<20	<11	<4.0	<4.0	<2.0	<1.0	NA	<4.2	NA
Dibenzo(a,h)anthracene	- -	<20	<11	<5.0	<5.0	<3.0	<0.30	NA	<4.2	NA
Dibenzofuran	- -	<20	<11	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	<20	<11	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	<20	<11	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	<20	<11	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	<20	<11	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<20	<11	<4.0	<4.0	<2.0	<1.0	NA	<4.2	NA
Fluorene	50	<20	<11	<3.0	<3.0	<2.0	<0.80	NA	<4.2	NA
Indeno(1,2,3-cd)pyrene	0.002	<20	<11	<5.0	<5.0	<3.0	<0.40 J	NA	<4.2	NA
Isophorone	50	<20	<11	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	83	69	190	240	130	34	NA	<4.2	150
Phenanthrene	50	<20	<11	<3.0	<3.0	<1.0	<0.80	NA	<4.2	NA
Phenol	1	140	<11	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<20	<11	<4.0	<4.0	<2.0	<1.0	NA	<4.2	NA
Total PAHs	- -	86 J	76 J	190 J	250 J	130 J	35 J	NA	<4.2	NA
Total SVOCs	- -	250 J	84 J	190 J	250 J	130 J	35 J	NA	<4.2	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-12S								
Date Collected:	Values	11/01/00	03/26/03	01/31/06	05/09/06	08/15/06	11/15/06	03/27/08	12/08/10	02/26/13
Detected Pesticides										
4,4'-DDD	0.3	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	0.021 J	<0.10 J	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	0.027 J	<0.050	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
Endrin	0	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	<0.10	<0.10	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	<0.050	0.0044 J	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	<0.050	0.035 J	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	0.0083 J	<0.050	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics										
Aluminum	- -	10,900	<2,500	NA	NA	NA	NA	NA	NA	NA
Antimony	3	<5.00	<100	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	13.1	<200	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	171	25.1	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	0.720	<25.0	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	0.540	<50.0	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	845,000	595,000	NA	NA	NA	NA	NA	NA	NA
Chromium	50	17.0	<50.0	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics										
Cobalt	- -	8.00	<50.0	NA	NA	NA	NA	NA	NA	NA
Copper	200	65.8	25.6 B	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	817	865 J	3,710	871	1,340	811 J	940 [920]	998	1,000
Cyanide, Available	- -	13	569	<2	NA	NA	NA	NA	NA	42
Iron	300	18,800	<1,000	NA	NA	NA	NA	NA	NA	470
Lead	25	53.6	<50.0	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	19,400	155,000	NA	NA	NA	NA	NA	NA	NA
Manganese	300	1,380	<75.0	NA	NA	NA	NA	NA	NA	6.10 B
Mercury	0.7	0.650	<0.200	NA	NA	NA	NA	NA	NA	NA
Nickel	100	26.8	<50.0	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	20,000	11,400 EJ	NA	NA	NA	NA	NA	NA	NA
Selenium	10	8.40	<150 J	NA	NA	NA	NA	NA	NA	NA
Silver	50	<1.00	<30.0	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	315,000	305,000	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	9.00	<200	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	25.4	<30.0	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	114	<250	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered										
Iron	300	606	193 B	NA	NA	NA	NA	NA	NA	NA
Manganese	300	<10.0	8.40 B	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous										
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	<2	8,300
BOD	- -	NA	8,400	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	<600	<600	NA	NA	NA	NA	NA	NA	<100
Carbon monoxide	- -	<400	<400	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	322,000	78,000	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	617,000	570,000	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	32,600	15,000	NA	NA	NA	NA	NA	NA	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	280	26	NA	NA	NA	NA	NA	NA	<10
Nitrate + Nitrite (as N)	- -	NA	NA	<160	NA	NA	NA	NA	NA	200
Nitrate Nitrogen	10,000	<100	840	NA	NA	NA	NA	NA	NA	<110
Nitrite Nitrogen	1,000	<100	<100	NA	NA	NA	NA	NA	NA	200
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	16 B
Oxygen	- -	940	8,200	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	657,000	1,600,000	1,120,000	NA	NA	NA	NA	NA	621,000
Sulfide	50	10,000	4,900	NA	NA	NA	NA	NA	NA	<2,000
TOC Average Quads	- -	34,500	16,000	NA	NA	NA	NA	NA	NA	15,500
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-12D							MW-12D2	MW-13S
Date Collected:	Values	11/02/00	03/26/03	01/27/06	05/10/06	08/16/06	11/14/06	02/26/13	03/26/03	02/06/02
Detected Volatile Organics										
1,1,1-Trichloroethane	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
1,1,2,2-Tetrachloroethane	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
1,1,2-Trichloroethane	1	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
1,1-Dichloroethane	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
2-Butanone	- -	18 J	<50	NA	NA	NA	NA	NA	<10	<50
2-Hexanone	50	<50	<50	NA	NA	NA	NA	NA	<10	<50
4-Methyl-2-pentanone	- -	<50	<50	NA	NA	NA	NA	NA	<10	<50
Acetone	50	78	28 J	NA	NA	NA	NA	NA	<10	<50
Benzene	1	490	530	530	610	660	630	330	<5.0	<50
Bromodichloromethane	50	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Bromoform	50	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Bromomethane	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Carbon Disulfide	- -	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Chlorobenzene	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Chloroform	7	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Chloromethane	- -	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Dibromochloromethane	50	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Ethylbenzene	5	<50	7.0 J	<8.0	<5.0	<5.0	<5.0	<1.0	<5.0	<50
Methylene Chloride	5	17 J	<5.0	NA	NA	NA	NA	NA	<5.0	<50 J
Styrene	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Tetrachloroethene	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Toluene	5	<50	13 J	<2.4	<1.5	<1.5	<1.5	0.63 J	<5.0	<50
Trichloroethene	5	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Vinyl Chloride	2	<50	<25	NA	NA	NA	NA	NA	<5.0	<50
Xylenes (total)	5	<50	49	<8.0	<5.0	<5.0	<5.0	0.80 J	<5.0	<50
Total BTEX	- -	490	600 J	530	610	660	630	340 J	<5.0	<50
Total VOCs	- -	600 J	630 J	530	610	660	630	340 J	<10	<50
Detected Semivolatile Organics										
2,4-Dimethylphenol	50	17	81	NA	NA	NA	NA	NA	<11	<9.0
2,4-Dinitrophenol	10	<25	<54	NA	NA	NA	NA	NA	<53	<23
2-Chloronaphthalene	10	<10	<11	NA	NA	NA	NA	NA	<11	<9.0
2-Methylnaphthalene	- -	<10	<11	<0.60	<0.60	<0.60	<0.60	NA	<11	2.0 J
2-Methylphenol	- -	<10	25	NA	NA	NA	NA	NA	<11	<9.0
2-Nitrophenol	- -	<10	<11	NA	NA	NA	NA	NA	<11	<9.0
3,3'-Dichlorobenzidine	5	<10	<22	NA	NA	NA	NA	NA	<21	<9.0
4-Methylphenol	- -	<10	54	NA	NA	NA	NA	NA	<11	<9.0
4-Nitroaniline	5	<25	<22	NA	NA	NA	NA	NA	<21	<23
Acenaphthene	20	<10	<11	<0.80	<0.80	<0.80	<0.80	NA	<11	4.0 J
Acenaphthylene	- -	<10	<11	<0.80	<0.80	<0.80	<0.80	NA	<11	<9.0
Anthracene	50	<10	<11	<1.0	<1.0	<1.0	<1.0	NA	<11	1.0 J
Benzo(a)anthracene	0.002	<10	<11	<1.0	<1.0	<1.0	<0.80	NA	<11	<9.0
Benzo(a)pyrene	0	<10	<11	<1.0	<1.0	<1.0	<0.50	NA	<11	<9.0
Benzo(b)fluoranthene	0.002	<10	<11	<2.0	<2.0	<2.0	<1.0	NA	<11	<9.0
Benzo(g,h,i)perylene	- -	<10	<11	<1.0	<1.0	<1.0	<0.30	NA	<11	<9.0
Benzo(k)fluoranthene	0.002	<10	<11	<0.90	<0.90	<0.90	<0.90	NA	<11	<9.0
bis(2-Ethylhexyl)phthalate	5	0.20 J	<11	NA	NA	NA	NA	NA	<11	<9.0
Butylbenzylphthalate	50	<10	<11	NA	NA	NA	NA	NA	<11	0.30 J
Detected Semivolatile Organics										
Carbazole	- -	<10	<11	NA	NA	NA	NA	NA	<11	<9.0
Chrysene	0.002	<10	<11	<1.0	<1.0	<1.0	<1.0	NA	<11	<9.0
Dibenzo(a,h)anthracene	- -	<10	<11	<1.0	<1.0	<1.0	<0.20 J	NA	<11	<9.0
Dibenzofuran	- -	<10	<11	NA	NA	NA	NA	NA	<11	0.30 J
Diethylphthalate	50	<10	<11	NA	NA	NA	NA	NA	<11	<9.0
Dimethylphthalate	50	<10	<11	NA	NA	NA	NA	NA	<11	0.70 J
Di-n-Butylphthalate	50	0.10 J	<11	NA	NA	NA	NA	NA	<11	<9.0
Di-n-Octylphthalate	50	<10	<11	NA	NA	NA	NA	NA	<11	<9.0
Fluoranthene	50	<10	<11	<1.0	<1.0	<1.0	<0.90	NA	<11	0.70 J
Fluorene	50	<10	<11	<0.80	<0.80	<0.80	<0.70	NA	<11	2.0 J
Indeno(1,2,3-cd)pyrene	0.002	<10	<11	<1.0	<1.0	<1.0	<0.30	NA	<11	<9.0
Isophorone	50	<10	<11	NA	NA	NA	NA	NA	<11	<9.0
Naphthalene	10	0.60 J	4.0 J	0.90 J	<0.70	<0.70	<0.40	6.3	<11	<9.0
Phenanthrene	50	<10	<11	<0.70	<0.70	<0.70	<0.70	NA	<11	<9.0
Phenol	1	0.60 J	<11	NA	NA	NA	NA	NA	<11	<9.0
Pyrene	50	<10	<11	<1.0	<1.0	<1.0	<1.0	NA	<11	0.70 J
Total PAHs	- -	0.60 J	4.0 J	0.90 J	<2.0	<2.0	<1.0	NA	<11	10 J
Total SVOCs	- -	19 J	160 J	0.90 J	<2.0	<2.0	<1.0	NA	<53	12 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-12D							MW-12D2	MW-13S
Date Collected:	Values	11/02/00	03/26/03	01/27/06	05/10/06	08/16/06	11/14/06	02/26/13	03/26/03	02/06/02
Detected Pesticides										
4,4'-DDD	0.3	<0.10	<0.11	NA	NA	NA	NA	NA	<0.10	<0.10
4,4'-DDE	0.2	<0.10	<0.10	NA	NA	NA	NA	NA	<0.10	<0.10
4,4'-DDT	0.2	0.0081 J	<0.10 J	NA	NA	NA	NA	NA	<0.10 J	<0.10 J
Aldrin	0	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50
Alpha-BHC	0.01	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50 J
Alpha-Chlordane	0.05	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.050
Beta-BHC	- -	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50
Delta-BHC	- -	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50 J
Dieldrin	0.004	<0.10	<0.10	NA	NA	NA	NA	NA	<0.10	<0.10
Endosulfan I	- -	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50
Endosulfan II	- -	<0.10	<0.10	NA	NA	NA	NA	NA	<0.10	<0.10
Endosulfan Sulfate	- -	<0.10	<0.10	NA	NA	NA	NA	NA	<0.10	<0.10
Endrin	0	<0.10	<0.10	NA	NA	NA	NA	NA	<0.10	<0.10 J
Endrin Aldehyde	5	<0.10	<0.10	NA	NA	NA	NA	NA	<0.10	<0.10
Gamma-BHC (Lindane)	0.05	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50
Gamma-Chlordane	0.05	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.050
Heptachlor	0.04	<0.050	0.014 J	NA	NA	NA	NA	NA	<0.050	<0.50 J
Heptachlor Epoxide	0.03	<0.050	<0.050	NA	NA	NA	NA	NA	<0.050	<0.50
Methoxychlor	35	<0.50	<0.50	NA	NA	NA	NA	NA	<0.50	<0.50 J
Detected Inorganics										
Aluminum	- -	1,050	<500	NA	NA	NA	NA	NA	<2,500	128 B
Antimony	3	<25.0	<20.0	NA	NA	NA	NA	NA	<100	<4.20
Arsenic	25	<12.5	<40.0	NA	NA	NA	NA	NA	<200	<3.40
Barium	1,000	1,630	158	NA	NA	NA	NA	NA	118	295 EJ
Beryllium	- -	<2.50	<5.00	NA	NA	NA	NA	NA	<25.0	3.90 JB
Cadmium	5	<2.50	<10.0	NA	NA	NA	NA	NA	<50.0	3.60 JB
Calcium	- -	95,400	70,600	NA	NA	NA	NA	NA	1,220,000	286,000 EJ
Chromium	50	<5.00	<10.0	NA	NA	NA	NA	NA	<50.0	2.00 B
Detected Inorganics										
Cobalt	- -	<5.00	<10.0	NA	NA	NA	NA	NA	<50.0	0.800 B
Copper	200	8.10	<10.0	NA	NA	NA	NA	NA	12.6 B	2.00 B
Cyanide	200	187	72.6 J	91.6	53.2	62.4	<1.30 J	120	<10.0 J	<0.0100
Cyanide, Available	- -	22	508	<2	NA	NA	NA	12	79	<2
Iron	300	3,160	272	NA	NA	NA	NA	273	17,400	57.5 B
Lead	25	<10.0	<10.0	NA	NA	NA	NA	NA	<50.0	<1.80
Magnesium	- -	8,170	4,160	NA	NA	NA	NA	NA	325,000	19,500 EJ
Manganese	300	103	35.0	NA	NA	NA	NA	55.3	250	134 EJ
Mercury	0.7	<0.100	<0.200	NA	NA	NA	NA	NA	<0.200	<0.100
Nickel	100	<7.50	<10.0	NA	NA	NA	NA	NA	<50.0	1.60 B
Potassium	- -	47,500	46,900 EJ	NA	NA	NA	NA	NA	497,000 EJ	30,900 EJ
Selenium	10	<25.0	<30.0 J	NA	NA	NA	NA	NA	<150 J	<5.50
Silver	50	<5.00	<6.00	NA	NA	NA	NA	NA	<30.0	<0.800
Sodium	- -	153,000	652,000	NA	NA	NA	NA	NA	608,000	4,530,000 EJ
Thallium	- -	<30.0	<40.0	NA	NA	NA	NA	NA	<200	<4.50
Vanadium	- -	6.70	4.70 B	NA	NA	NA	NA	NA	<30.0	<0.600 J
Zinc	2,000	<25.0	<50.0	NA	NA	NA	NA	NA	<250	12.0 JB
Detected Inorganics-Filtered										
Iron	300	1,320	97.4 B	NA	NA	NA	NA	NA	9,830	<16.3
Manganese	300	72.6	26.3	NA	NA	NA	NA	NA	144	97.3
Detected Miscellaneous										
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	91,300	NA	NA
BOD	- -	18,600	9,200.00000000001	NA	NA	NA	NA	NA	990 B	60,000
Carbon Dioxide by Headspace	- -	24,400	9,000	NA	NA	NA	NA	4,360	130,000	26,000
Carbon monoxide	- -	<400	<400	NA	NA	NA	NA	NA	<400	<400
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	307,000	115,000	NA	NA	NA	NA	NA	122,000	NA
Chloride	250,000	4,880,000	2,800,000	NA	NA	NA	NA	NA	95,000,000	7,040,000
DOC Average Quads	- -	41,800	23,000	NA	NA	NA	NA	NA	28,000	2,900
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	26,760	20,000	NA	NA	NA	NA	4,320	220	4,000
Nitrate + Nitrite (as N)	- -	NA	NA	<160	NA	NA	NA	450	NA	NA
Nitrate Nitrogen	10,000	<100	<1,000	NA	NA	NA	NA	450	<25,000	NA
Nitrite Nitrogen	1,000	<100	<1,000	NA	NA	NA	NA	4.2 B	<25,000	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	53 B	NA	NA
Oxygen	- -	630	4,800	NA	NA	NA	NA	NA	3,800	1,100
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	1,430	20,000	32,100	NA	NA	NA	<5,000	1,300,000	162,000
Sulfide	50	<1,000	6,200	NA	NA	NA	NA	1,500 B	600 B	39,900
TOC Average Quads	- -	43,800	28,000	NA	NA	NA	NA	30,500	31,000	4,000
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-13D	MW-14S	MW-14D	MW-15S	MW-15D	MW-16S	MW-16D
Date Collected:	Values	02/06/02	02/07/02	02/07/02	02/07/02	02/07/02	10/31/00	10/31/00
Detected Volatile Organics								
1,1,1-Trichloroethane	5	<10 [<10]	<50	<10	<50	<50	NA	NA
1,1,2,2-Tetrachloroethane	5	<10 [<10]	<50	<10	<50	<50	NA	NA
1,1,2-Trichloroethane	1	<10 [<10]	<50	<10	<50	<50	NA	NA
1,1-Dichloroethane	5	<10 [<10]	<50	<10	<50	<50	NA	NA
2-Butanone	- -	75 J [54]	<50 J	180 J	140 J	160 J	NA	NA
2-Hexanone	50	<10 J [<10]	<50 J	<10 J	<50 J	<50 J	NA	NA
4-Methyl-2-pentanone	- -	<10 [2.0 J]	<50 J	8.0 J	<50 J	<50 J	NA	NA
Acetone	50	290 D [140 D]	<50	590 D	730	770	NA	NA
Benzene	1	<10 [<10]	<50	1.0 J	<50	<50	NA	NA
Bromodichloromethane	50	<10 [<10]	<50	<10	<50	<50	NA	NA
Bromoform	50	<10 [<10]	<50	<10	<50	<50	NA	NA
Bromomethane	5	<10 [<10]	<50	<10	<50	<50	NA	NA
Carbon Disulfide	- -	3.0 J [2.0 J]	<50	3.0 J	5.0 J	5.0 J	NA	NA
Chlorobenzene	5	<2.0 [<10]	<50	<10	<50	<50	NA	NA
Chloroform	7	<10 [<10]	<50	<10	<50	<50	NA	NA
Chloromethane	- -	<10 J [<10]	<50 J	<10 J	<50 J	<50 J	NA	NA
Dibromochloromethane	50	<10 [<10]	<50	<10	<50	<50	NA	NA
Ethylbenzene	5	<10 [<10]	<50	<10	<50	<50	NA	NA
Methylene Chloride	5	<10 J [<10 J]	<50 J	<10	<50 J	<50 J	NA	NA
Styrene	5	<10 [<10]	<50	<10	<50	<50	NA	NA
Tetrachloroethene	5	<10 [<10]	<50	<10	<50	<50	NA	NA
Toluene	5	<1.0 [<10]	<50	<10	<50	<50	NA	NA
Trichloroethene	5	<10 [<10]	<50	<10	<50	<50	NA	NA
Vinyl Chloride	2	<10 [<10]	<50	<10	<50	<50	NA	NA
Xylenes (total)	5	<10 [<10]	<50	<10	<50	<50	NA	NA
Total BTEX	- -	<10 [<10]	<50	1.0 J	<50	<50	NA	NA
Total VOCs	- -	370 J [200 J]	<50	780 J	880 J	940 J	NA	NA
Detected Semivolatile Organics								
2,4-Dimethylphenol	50	<10 [<9.0]	<11	<11	<11	<11	NA	NA
2,4-Dinitrophenol	10	<23 [23 J]	<28	<27 J	<27	<27	NA	NA
2-Chloronaphthalene	10	<10 [<9.0]	<11	<11	<11	<11	NA	NA
2-Methylnaphthalene	- -	0.70 J [1.0 J]	0.30 J	<11	0.30 J	<11	NA	NA
2-Methylphenol	- -	<10 [<9.0]	<11	<11	0.60 J	<11	NA	NA
2-Nitrophenol	- -	<10 [<9.0]	<11	<11	<11	<11	NA	NA
3,3'-Dichlorobenzidine	5	<10 [<9.0]	<11	<11	<11	<11	NA	NA
4-Methylphenol	- -	7.0 J [5.0 J]	<11	160 D	7.0 J	350 EJ	NA	NA
4-Nitroaniline	5	<24 [<23]	<28	<27	<27	<27	NA	NA
Acenaphthene	20	0.50 J [<9.0]	2.0 J	0.40 J	2.0 J	<11	NA	NA
Acenaphthylene	- -	<10 [<9.0]	<11	<11	0.30 J	<11	NA	NA
Anthracene	50	<10 [<9.0]	1.0 J	<11	1.0 J	<11	NA	NA
Benzo(a)anthracene	0.002	<10 [<9.0]	<11	<11	<11	<11	NA	NA
Benzo(a)pyrene	0	<10 [<9.0]	<11	<11	0.40 J	<11	NA	NA
Benzo(b)fluoranthene	0.002	<10 [<9.0]	<11	<11	0.60 J	<11	NA	NA
Benzo(g,h,i)perylene	- -	<10 [<9.0]	<11	<11 J	<11	<11	NA	NA
Benzo(k)fluoranthene	0.002	<10 [<9.0]	<11	<11 J	<11	<11	NA	NA
bis(2-Ethylhexyl)phthalate	5	<10 [<3.0]	<11	<1.0	<11	<11	NA	NA
Butylbenzylphthalate	50	<10 [<9.0]	<11	<11	<11	<11	NA	NA
Detected Semivolatile Organics								
Carbazole	- -	<10 [<9.0]	0.50 J	<11	0.80 J	<11	NA	NA
Chrysene	0.002	<10 [<9.0]	<11	<11	0.60 J	<11	NA	NA
Dibenzo(a,h)anthracene	- -	<10 [<9.0]	<11	<11	<11	<11	NA	NA
Dibenzofuran	- -	<10 [<9.0]	0.80 J	<11	1.0 J	<11	NA	NA
Diethylphthalate	50	<10 [<9.0]	<11	<0.50	<11	<11	NA	NA
Dimethylphthalate	50	0.30 J [<9.0]	<11	<11	<11	<11	NA	NA
Di-n-Butylphthalate	50	<10 [<9.0]	<11	<0.40	<11	<11	NA	NA
Di-n-Octylphthalate	50	<10 [<0.50]	<11	<11	0.40 J	<11	NA	NA
Fluoranthene	50	<10 [<9.0]	0.90 J	<11	2.0 J	<11	NA	NA
Fluorene	50	<10 [0.30 J]	1.0 J	<11	2.0 J	<11	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<10 [<9.0]	<11	<11	<11	<11	NA	NA
Isophorone	50	<10 [<9.0]	<11	<11	<11	<11	NA	NA
Naphthalene	10	<10 [<9.0]	4.0 J	<11	0.70 J	0.40 J	NA	NA
Phenanthrene	50	0.40 J [0.50 J]	<11	<0.60	<11	<11	NA	NA
Phenol	1	0.60 J [<9.0]	<11	19	120 EJ	25	NA	NA
Pyrene	50	<10 [<9.0]	0.70 J	<11	3.0 J	<11	NA	NA
Total PAHs	- -	1.6 J [1.8 J]	9.9 J	0.40 J	13 J	0.40 J	NA	NA
Total SVOCs	- -	9.5 J [30 J]	11 J	180 J	140 J	380 J	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	MW-13D	MW-14S	MW-14D	MW-15S	MW-15D	MW-16S	MW-16D
Date Collected:		02/06/02	02/07/02	02/07/02	02/07/02	02/07/02	10/31/00	10/31/00
Detected Pesticides								
4,4'-DDD	0.3	<0.10 [<0.11]	<0.11	<0.10	<0.10	<0.11	NA	NA
4,4'-DDE	0.2	<0.10 [<0.11]	<0.11	<0.10	<0.10	<0.11	NA	NA
4,4'-DDT	0.2	<0.10 J [<0.11 J]	<0.11 J	<0.10 J	<0.10 J	<0.11 J	NA	NA
Aldrin	0	<0.052 [<0.054]	<0.054	<0.052	<0.052	<0.053	NA	NA
Alpha-BHC	0.01	<0.052 J [<0.054 J]	<0.054 J	<0.052 J	<0.052 J	<0.053 J	NA	NA
Alpha-Chlordane	0.05	<0.052 [<0.054]	<0.054	<0.052	<0.10	<0.11	NA	NA
Beta-BHC	- -	<0.052 [<0.054]	<0.054	<0.052	<0.052	<0.053	NA	NA
Delta-BHC	- -	<0.052 J [<0.054 J]	<0.054 J	<0.052 J	<0.052 J	<0.053 J	NA	NA
Dieldrin	0.004	<0.10 [<0.11]	<0.11	<0.10	<0.10	<0.11	NA	NA
Endosulfan I	- -	<0.052 [<0.054]	<0.054	<0.052	<0.052	<0.053	NA	NA
Endosulfan II	- -	<0.10 [<0.11]	<0.11	<0.10	<0.10	<0.11	NA	NA
Endosulfan Sulfate	- -	<0.10 [<0.11]	<0.11	<0.10	<0.10	<0.11	NA	NA
Endrin	0	<0.10 J [<0.11 J]	<0.11 J	<0.10 J	<0.10 J	<0.11 J	NA	NA
Endrin Aldehyde	5	<0.10 [<0.11]	<0.11	<0.10	<0.10	<0.11	NA	NA
Gamma-BHC (Lindane)	0.05	<0.052 [<0.054]	<0.054	<0.052	<0.052	<0.053	NA	NA
Gamma-Chlordane	0.05	<0.052 [<0.054]	<0.054	<0.052	<0.10	<0.11	NA	NA
Heptachlor	0.04	<0.052 J [<0.054 J]	<0.054 J	<0.052 J	<0.052 J	<0.053 J	NA	NA
Heptachlor Epoxide	0.03	<0.052 [<0.054]	<0.054	<0.052	<0.052	<0.053	NA	NA
Methoxychlor	35	<0.52 J [<0.54 J]	<0.54 J	<0.52 J	<0.52 J	<0.53 J	NA	NA
Detected Inorganics								
Aluminum	- -	750 [750]	290	295	484	1,250	NA	NA
Antimony	3	<4.20 [<4.20]	<4.20	4.90 B	<4.20	<4.20	NA	NA
Arsenic	25	13.4 [13.4]	<3.40	<3.40	<3.40	37.3	NA	NA
Barium	1,000	1,670 EJ [1,670 EJ]	326 EJ	4,440 EJ	1.20 BEJ	13,100 EJ	NA	NA
Beryllium	- -	9.40 J [9.40 J]	<0.300 J	4.20 JB	<0.300 J	<0.300 J	NA	NA
Cadmium	5	<0.400 J [<0.400 J]	<0.400 J	<0.400 J	<0.400 J	8.70 J	NA	NA
Calcium	- -	1,630,000 EJ [1,630,000 EJ]	197,000 EJ	1,090,000 EJ	340,000 EJ	2,180,000 EJ	NA	NA
Chromium	50	3.50 B [3.50 B]	28.6	2.00 B	<0.800	48.2	NA	NA
Detected Inorganics								
Cobalt	- -	<0.700 [<0.700]	1.30 B	<0.700	<0.700	<0.700	NA	NA
Copper	200	1.60 B [1.60 B]	4.10 B	1.00 B	4.50 B	3.10 B	NA	NA
Cyanide	200	<0.0100 J [<0.0100]	<0.0100	<0.0100	<0.0100	<0.0100	NA	NA
Cyanide, Available	- -	<2 [<2]	15	6	35	15	NA	NA
Iron	300	1,230 [1,230]	743	637	550	3,160	NA	NA
Lead	25	<1.80 [<1.80]	11.8	<1.80	7.20	38.6	NA	NA
Magnesium	- -	148,000 EJ [148,000 EJ]	15,000 EJ	321,000 EJ	893 BEJ	685,000 EJ	NA	NA
Manganese	300	391 EJ [391 EJ]	182 EJ	228 EJ	9.70 BEJ	258 EJ	NA	NA
Mercury	0.7	<0.100 [<0.100]	<0.100	<0.100	<0.100	<0.100	NA	NA
Nickel	100	2.10 B [2.10 B]	15.2 B	5.40 B	2.30 B	<1.00	NA	NA
Potassium	- -	126,000 EJ [126,000 EJ]	31,000 EJ	28,500 EJ	18,200 EJ	34,900 EJ	NA	NA
Selenium	10	<5.50 [<5.50]	<5.50	<5.50	<5.50	<5.50	NA	NA
Silver	50	<0.800 [<0.800]	<0.800	1.40 B	<0.800	<0.800	NA	NA
Sodium	- -	40,200,000 EJ [40,200,000 EJ]	3,950,000 EJ	22,700,000 EJ	652,000 EJ	27,800,000 EJ	NA	NA
Thallium	- -	<4.50 [<4.50]	14.0	61.1	<4.50	40.0	NA	NA
Vanadium	- -	22.3 JB [22.3 JB]	3.90 JB	8.50 JB	0.700 JB	12.2 JB	NA	NA
Zinc	2,000	29.7 J [29.7 J]	16.5 JB	3.10 JB	9.20 JB	52.8 J	NA	NA
Detected Inorganics-Filtered								
Iron	300	<16.3 [<16.3]	34.6 B	<16.3	50.3 B	185	NA	NA
Manganese	300	415 [415]	128	194	0.200 B	237	NA	NA
Detected Miscellaneous								
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA
BOD	- -	81,000 [105,000]	38,800	169,000	12,700	456,000	<2,000	33,600
Carbon Dioxide by Headspace	- -	210,000 [200,000]	15,000	350,000	<600	440,000	<600	<600
Carbon monoxide	- -	<400 [<400]	<400	<400	<400	<400	<400	<400
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	<10,000	97,600
Chloride	250,000	65,800,000 [67,000,000]	5,770,000	39,700,000	886,000	47,200,000	9,800	119,000
DOC Average Quads	- -	7,200 [7,000]	10,400	11,100	14,900	34,500	3,180	25,300
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA
Methane	- -	10,000 [9,300]	10,000	10,000	2,200	9,700.00000000001	<70	1,050
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	5,550	<100
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	10,700	<100
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	910 [540]	1,100	550	1,500	440	5,890	<600
pH	- -	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	506,000 [508,000]	130,000	5,900	132,000	321,000	316,000	131,000
Sulfide	50	48,900 [56,900]	29,500	39,300	12,900	40,900	<1,000	12,000
TOC Average Quads	- -	7,500 J [6,800]	10,600	18,400	18,000	47,100	<1,000	25,600
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-18S					MW-18D					MW-19S	
Date Collected:	Values	03/27/03	01/27/06	05/10/06	08/15/06	11/15/06	03/27/03	02/07/06	05/15/06	08/22/06	11/16/06	03/27/03	02/03/06
Detected Volatile Organics													
1,1,1-Trichloroethane	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
1,1,2,2-Tetrachloroethane	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
1,1,2-Trichloroethane	1	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
1,1-Dichloroethane	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
2-Butanone	- -	14	NA	NA	NA	NA	<10	NA	NA	NA	NA	<10	NA
2-Hexanone	50	<10	NA	NA	NA	NA	<10	NA	NA	NA	NA	<10	NA
4-Methyl-2-pentanone	- -	<10	NA	NA	NA	NA	3.0 J	NA	NA	NA	NA	<10	NA
Acetone	50	<5.0	NA	NA	NA	NA	13	NA	NA	NA	NA	18	NA
Benzene	1	3.0 J	1.0 J	5.6	5.1	5.4	<50	67	74	69 [47]	74	14	20
Bromodichloromethane	50	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Bromoform	50	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Bromomethane	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Carbon Disulfide	- -	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Chlorobenzene	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Chloroform	7	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Chloromethane	- -	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Dibromochloromethane	50	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Ethylbenzene	5	0.80 J	<1.0	2.8 J	2.3 J	3.2 J	1.0 J	<1.0	<1.0	<1.0 [<1.0]	<1.0	4.0 J	4.2 J
Methylene Chloride	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Styrene	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	2.0 J	NA
Tetrachloroethene	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Toluene	5	4.0 J	0.71 J	8.2	7.3	9.0	3.0 J	1.7 J	0.86 J	0.85 J [0.50 J]	1.0 J	20	20
Trichloroethene	5	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Vinyl Chloride	2	<5.0	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	<5.0	NA
Xylenes (total)	5	7.0	<1.0	21	17	22	<5.0	5.1	2.3 J	1.4 J [<1.0]	4.0 J	14	13
Total BTEX	- -	15 J	1.7 J	38 J	32 J	40 J	4.0 J	74 J	77 J	71 J [48 J]	79 J	52 J	57 J
Total VOCs	- -	29 J	1.7 J	38 J	32 J	40 J	20 J	74 J	77 J	71 J [48 J]	79 J	72 J	57 J
Detected Semivolatile Organics													
2,4-Dimethylphenol	50	7.0 J	NA	NA	NA	NA	130	NA	NA	NA	NA	<10	NA
2,4-Dinitrophenol	10	<220	NA	NA	NA	NA	<100	NA	NA	NA	NA	<50	NA
2-Chloronaphthalene	10	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
2-Methylnaphthalene	- -	<43	5.0 J	3.0 J	4.0 J	5.0 J	<20	<0.60	<0.60	<0.60 [<0.70]	<0.70	1.0 J	1.0 J
2-Methylphenol	- -	8.0 J	NA	NA	NA	NA	4.0 J	NA	NA	NA	NA	<10	NA
2-Nitrophenol	- -	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
3,3'-Dichlorobenzidine	5	<87	NA	NA	NA	NA	<40	NA	NA	NA	NA	<20	NA
4-Methylphenol	- -	18 J	NA	NA	NA	NA	4.0 J	NA	NA	NA	NA	1.0 J	NA
4-Nitroaniline	5	<87	NA	NA	NA	NA	<40	NA	NA	NA	NA	<20	NA
Acenaphthene	20	<43	0.80 J	1.0 J	<4.0	0.90 J	<20	<0.80	<0.80	<0.80 [<0.90]	<0.90	<10	<0.80
Acenaphthylene	- -	3.0 J	<0.80	<0.80	<4.0	<0.80	<20	<0.80	<0.80	<0.80 [<0.80]	<0.80	<10	<0.80
Anthracene	50	<43	<1.0	<1.0	<5.0	<1.0	<20	<1.0	<1.0	<1.0 [<1.0]	<1.0	<10	<1.0
Benzo(a)anthracene	0.002	<43	<1.0	<1.0	<6.0	<0.80	<20	<1.0	<1.0	<1.0 [<1.0]	<0.80	<10	<1.0
Benzo(a)pyrene	0	<43	<1.0	<1.0	<5.0	<0.50	<20	<1.0	<1.0	<1.0 [<1.0]	<0.50	<10	<1.0
Benzo(b)fluoranthene	0.002	<43	<2.0	<2.0	<8.0	<1.0	<20	<2.0	<2.0	<2.0 [<2.0]	<1.0	<10	<2.0
Benzo(g,h,i)perylene	- -	<43	<1.0	<1.0	<5.0	<0.30	<20	<1.0	<1.0	<1.0 [<1.0]	<0.30	<10	<1.0
Benzo(k)fluoranthene	0.002	<43	<0.90	<0.90	<5.0	<0.90	<20	<0.90	<0.90	<0.90 [<1.0]	<1.0	<10	<0.90
bis(2-Ethylhexyl)phthalate	5	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Butylbenzylphthalate	50	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Detected Semivolatile Organics													
Carbazole	- -	3.0 J	NA	NA	NA	NA	<20	NA	NA	NA	NA	0.50 J	NA
Chrysene	0.002	<43	<1.0	<1.0	<5.0	<1.0	<20	<1.0	<1.0	<1.0 [<1.0]	<1.0	<10	<1.0
Dibenzo(a,h)anthracene	- -	<43	<1.0	<1.0	<7.0	<0.20	<20	<1.0	<1.0	<1.0 [<1.0]	<0.30	<10	<1.0
Dibenzofuran	- -	3.0 J	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Diethylphthalate	50	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Dimethylphthalate	50	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Di-n-Butylphthalate	50	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Di-n-Octylphthalate	50	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Fluoranthene	50	<43	<1.0	<1.0	<5.0	<0.90	<20	<1.0	<1.0	<1.0 [<1.0]	<1.0	<10	<1.0
Fluorene	50	2.0 J	2.0 J	2.0 J	<4.0	2.0 J	<20	<0.80	<0.80	<0.80 [<0.80]	<0.80	<10	<0.80
Indeno(1,2,3-cd)pyrene	0.002	<43	<1.0	<1.0	<6.0	<0.30	<20	<1.0	<1.0	<1.0 [<1.0]	<0.30	<10	<1.0
Isophorone	50	<43	NA	NA	NA	NA	<20	NA	NA	NA	NA	<10	NA
Naphthalene	10	36	40	45	45 J	45	7.0 J	<0.70	<0.70	<0.70 [<0.70]	<0.50	13	12
Phenanthrene	50	7.0 J	<0.70	<0.70	<3.0	<0.70	<20	<0.70	<0.70	<0.70 [<0.70]	<0.80	<10	<0.70
Phenol	1	290	NA	NA	NA	NA	3.0 J	NA	NA	NA	NA	4.0 J	NA
Pyrene	50	<43	<1.0	<1.0	<5.0	<1.0	<20	<1.0	<1.0	<1.0 [<1.0]	<1.0	<10	<1.0
Total PAHs	- -	48 J	48 J	51 J	49 J	53 J	7.0 J	<2.0	<2.0	<2.0 [<2.0]	<1.0	14 J	13 J
Total SVOCs	- -	380 J	48 J	51 J	49 J	53 J	150 J	<2.0	<2.0	<2.0 [<2.0]	<1.0	20 J	13 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-18S					MW-18D					MW-19S	
Date Collected:	Values	03/27/03	01/27/06	05/10/06	08/15/06	11/15/06	03/27/03	02/07/06	05/15/06	08/22/06	11/16/06	03/27/03	02/03/06
Detected Pesticides													
4,4'-DDD	0.3	<0.10	NA	NA	NA	NA	<0.16	NA	NA	NA	NA	<0.17	NA
4,4'-DDE	0.2	<0.10	NA	NA	NA	NA	<0.11	NA	NA	NA	NA	<0.11	NA
4,4'-DDT	0.2	<0.10 J	NA	NA	NA	NA	<0.11 J	NA	NA	NA	NA	<0.11 J	NA
Aldrin	0	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Alpha-BHC	0.01	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Alpha-Chlordane	0.05	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Beta-BHC	- -	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Delta-BHC	- -	0.065	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	0.019 J	NA
Dieldrin	0.004	<0.10	NA	NA	NA	NA	<0.11	NA	NA	NA	NA	<0.11	NA
Endosulfan I	- -	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Endosulfan II	- -	<0.10	NA	NA	NA	NA	<0.11	NA	NA	NA	NA	<0.11	NA
Endosulfan Sulfate	- -	<0.10	NA	NA	NA	NA	<0.11	NA	NA	NA	NA	<0.11	NA
Endrin	0	<0.10	NA	NA	NA	NA	<0.11	NA	NA	NA	NA	<0.11	NA
Endrin Aldehyde	5	<0.10	NA	NA	NA	NA	<0.11	NA	NA	NA	NA	<0.11	NA
Gamma-BHC (Lindane)	0.05	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Gamma-Chlordane	0.05	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Heptachlor	0.04	<0.050	NA	NA	NA	NA	0.026 J	NA	NA	NA	NA	<0.056	NA
Heptachlor Epoxide	0.03	<0.050	NA	NA	NA	NA	<0.053	NA	NA	NA	NA	<0.056	NA
Methoxychlor	35	<0.50	NA	NA	NA	NA	<0.53	NA	NA	NA	NA	<0.56	NA
Detected Inorganics													
Aluminum	- -	86.9 B	NA	NA	NA	NA	847	NA	NA	NA	NA	135 B	NA
Antimony	3	<20.0	NA	NA	NA	NA	<20.0	NA	NA	NA	NA	<20.0	NA
Arsenic	25	<40.0	NA	NA	NA	NA	16.1 B	NA	NA	NA	NA	<40.0	NA
Barium	1,000	51.3	NA	NA	NA	NA	81.5	NA	NA	NA	NA	53.3	NA
Beryllium	- -	<5.00	NA	NA	NA	NA	<5.00	NA	NA	NA	NA	<5.00	NA
Cadmium	5	<10.0	NA	NA	NA	NA	<10.0	NA	NA	NA	NA	<10.0	NA
Calcium	- -	594,000	NA	NA	NA	NA	342,000	NA	NA	NA	NA	370,000	NA
Chromium	50	3.10 B	NA	NA	NA	NA	19.8	NA	NA	NA	NA	2.40 B	NA
Detected Inorganics													
Cobalt	- -	<10.0	NA	NA	NA	NA	<10.0	NA	NA	NA	NA	<10.0	NA
Copper	200	8.20 B	NA	NA	NA	NA	5.50 B	NA	NA	NA	NA	3.00 B	NA
Cyanide	200	1.70 JB	91.6	4.90 B	2.50 B	3.40 BJ	3.40 JB	160	46.5	12.0 [4.60 B]	2.80 BJ	<10.0 J	75.7
Cyanide, Available	- -	54	<2	NA	NA	NA	11	<2	NA	NA	NA	3	<2
Iron	300	<200	NA	NA	NA	NA	1,550	NA	NA	NA	NA	205	NA
Lead	25	<10.0	NA	NA	NA	NA	<10.0	NA	NA	NA	NA	<10.0	NA
Magnesium	- -	20.1 B	NA	NA	NA	NA	33,000	NA	NA	NA	NA	212	NA
Manganese	300	<15.0	NA	NA	NA	NA	107	NA	NA	NA	NA	11.7 B	NA
Mercury	0.7	<0.200	NA	NA	NA	NA	<0.200	NA	NA	NA	NA	<0.200	NA
Nickel	100	7.50 B	NA	NA	NA	NA	15.0	NA	NA	NA	NA	4.60 B	NA
Potassium	- -	33,800 EJ	NA	NA	NA	NA	87,100 EJ	NA	NA	NA	NA	36,500 EJ	NA
Selenium	10	<30.0 J	NA	NA	NA	NA	<30.0 J	NA	NA	NA	NA	<30.0 J	NA
Silver	50	<6.00	NA	NA	NA	NA	<6.00	NA	NA	NA	NA	<6.00	NA
Sodium	- -	130,000	NA	NA	NA	NA	153,000	NA	NA	NA	NA	95,700	NA
Thallium	- -	<40.0	NA	NA	NA	NA	<40.0	NA	NA	NA	NA	<40.0	NA
Vanadium	- -	2.30 B	NA	NA	NA	NA	2.40 B	NA	NA	NA	NA	2.10 B	NA
Zinc	2,000	<50.0	NA	NA	NA	NA	<50.0	NA	NA	NA	NA	<50.0	NA
Detected Inorganics-Filtered													
Iron	300	<200	NA	NA	NA	NA	<200	NA	NA	NA	NA	<200	NA
Manganese	300	<15.0	NA	NA	NA	NA	53.9	NA	NA	NA	NA	10.0 B	NA
Detected Miscellaneous													
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	110,000	NA	NA	NA	NA	67,000	NA	NA	NA	NA	12,000	NA
Carbon Dioxide by Headspace	- -	<600	NA	NA	NA	NA	3,300	NA	NA	NA	NA	<600	NA
Carbon monoxide	- -	<400	NA	NA	NA	NA	<400	NA	NA	NA	NA	<400	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	199,000	NA	NA	NA	NA	127,000	NA	NA	NA	NA	36,700	NA
Chloride	250,000	240,000	NA	NA	NA	NA	7,500,000	NA	NA	NA	NA	260,000	NA
DOC Average Quads	- -	81,000	NA	NA	NA	NA	19,000	NA	NA	NA	NA	10,000	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	2,200	NA	NA	NA	NA	8,200	NA	NA	NA	NA	720	NA
Nitrate + Nitrite (as N)	- -	NA	<8	NA	NA	NA	NA	<2,000	NA	NA	NA	NA	<8
Nitrate Nitrogen	10,000	34 B	NA	NA	NA	NA	<500	NA	NA	NA	NA	120	NA
Nitrite Nitrogen	1,000	120	NA	NA	NA	NA	<500	NA	NA	NA	NA	<100	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	1,400	NA	NA	NA	NA	700	NA	NA	NA	NA	5,900	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	140,000	240,000	NA	NA	NA	210,000	198,000	NA	NA	NA	150,000	156,000
Sulfide	50	6,600	NA	NA	NA	NA	46,000	NA	NA	NA	NA	6,600	NA
TOC Average Quads	- -	81,000	NA	NA	NA	NA	20,000	NA	NA	NA	NA	10,000	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-19D				MW-19D1	MW-20S		MW-20D		MW-21S	
Date Collected:	Values	03/27/03	01/31/06	03/24/08	12/07/10	04/08/03	04/23/03	02/02/06	04/23/03	01/25/06	04/10/03	02/25/13
Detected Volatile Organics												
1,1,1-Trichloroethane	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
1,1,2,2-Tetrachloroethane	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
1,1,2-Trichloroethane	1	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
1,1-Dichloroethane	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
2-Butanone	- -	26 J	NA	NA	NA	390	<10	NA	40	NA	<10	NA
2-Hexanone	50	<50	NA	NA	NA	20	<10	NA	<20	NA	<10	NA
4-Methyl-2-pentanone	- -	<50	NA	NA	NA	17	<10	NA	2.0 J	NA	<10 J	NA
Acetone	50	140	NA	NA	NA	2,000	10 J	NA	110	NA	<10	NA
Benzene	1	480	2,400 [1,700]	660 D	710	<5.0 J	2.0 J	2.6 J	230	210	<5.0	0.38 J
Bromodichloromethane	50	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Bromoform	50	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0 J	NA
Bromomethane	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Carbon Disulfide	- -	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Chlorobenzene	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Chloroform	7	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Chloromethane	- -	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0 J	NA
Dibromochloromethane	50	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0 J	NA
Ethylbenzene	5	3.0 J	<40 [<40]	37	40	0.70 J	0.70 J	<1.0	11	35	<5.0	<1.0
Methylene Chloride	5	<6.0	NA	NA	NA	<5.0 J	<5.0	NA	1.0 J	NA	<0.40	NA
Styrene	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Tetrachloroethene	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Toluene	5	10 J	14 J [<12]	3.7 J	<25	1.0 J	1.0 J	1.6 J	15	34	<5.0	<1.0
Trichloroethene	5	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Vinyl Chloride	2	<25	NA	NA	NA	<5.0 J	<5.0	NA	<10	NA	<5.0	NA
Xylenes (total)	5	6.0 J	46 J [<40]	65	47	3.0 J	2.0 J	1.2 J	28	99	<5.0	<1.0
Total BTEX	- -	500 J	2,500 J [1,700]	770 J	800	4.7 J	5.7 J	5.4 J	280	380	<5.0	0.38 J
Total VOCs	- -	670 J	2,500 J [1,700]	770 J	800	2,400 J	16 J	5.4 J	440 J	380	<10	0.38 J
Detected Semivolatile Organics												
2,4-Dimethylphenol	50	<11	NA	NA	NA	<1,000	<10	NA	0.80 J	NA	<10	NA
2,4-Dinitrophenol	10	<53	NA	NA	NA	<5,000	<50	NA	<50	NA	<50	NA
2-Chloronaphthalene	10	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
2-Methylnaphthalene	- -	<11	<0.60 [<0.60]	<11	<8.8	<1,000	1.0 J	<0.70	<10	<0.60	<10	NA
2-Methylphenol	- -	1.0 J	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
2-Nitrophenol	- -	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
3,3'-Dichlorobenzidine	5	<21	NA	NA	NA	<2,000	<20	NA	<20	NA	<20	NA
4-Methylphenol	- -	14	NA	NA	NA	6,800	<10	NA	58	NA	<10	NA
4-Nitroaniline	5	<21	NA	NA	NA	<2,000	<20	NA	<20	NA	<20	NA
Acenaphthene	20	<11	<0.80 [<0.80]	<11	<8.8	<1,000	0.90 J	<0.90	<10	<0.80	<10	NA
Acenaphthylene	- -	<11	<0.80 [<0.80]	<11	<8.8	<1,000	0.60 J	<0.90	<10	<0.80	<10	NA
Anthracene	50	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Benzo(a)anthracene	0.002	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Benzo(a)pyrene	0	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Benzo(b)fluoranthene	0.002	<11	<2.0 [<2.0]	<11	<8.8	<1,000	<10	<2.0	<10	<2.0	<10	NA
Benzo(g,h,i)perylene	- -	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Benzo(k)fluoranthene	0.002	<11	<0.90 [<0.90]	<11	<8.8	<1,000	<10	<1.0	<10	<0.90	<10	NA
bis(2-Ethylhexyl)phthalate	5	<11	NA	NA	NA	<1,000	<10	NA	2.0 J	NA	<10	NA
Butylbenzylphthalate	50	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
Detected Semivolatile Organics												
Carbazole	- -	<11	NA	NA	NA	<1,000	5.0 J	NA	<10	NA	<10	NA
Chrysene	0.002	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Dibenzo(a,h)anthracene	- -	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<2.0	<10	<1.0	<10	NA
Dibenzofuran	- -	<11	NA	NA	NA	<1,000	0.70 J	NA	<10	NA	<10	NA
Diethylphthalate	50	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
Dimethylphthalate	50	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
Di-n-Butylphthalate	50	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
Di-n-Octylphthalate	50	<11	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
Fluoranthene	50	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Fluorene	50	<11	<0.80 [<0.80]	<11	<8.8	<1,000	1.0 J	<0.90	<10	<0.80	<10	NA
Indeno(1,2,3-cd)pyrene	0.002	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Isophorone	50	1.0 J	NA	NA	NA	<1,000	<10	NA	<10	NA	<10	NA
Naphthalene	10	5.0 J	3.0 J [3.0 J]	6.1 J	2.6 J	<1,000	7.0 J	3.0 J	4.0 J	5.0 J	<10	8.4
Phenanthrene	50	<11	<0.70 [<0.70]	<11	<8.8	<1,000	1.0 J	2.0 J	<10	<0.70	<10	NA
Phenol	1	10 J	NA	NA	NA	180 J	<10	NA	22	NA	0.90 J	NA
Pyrene	50	<11	<1.0 [<1.0]	<11	<8.8	<1,000	<10	<1.0	<10	<1.0	<10	NA
Total PAHs	- -	5.0 J	3.0 J [3.0 J]	6.1 J	2.6 J	<1,000	12 J	5.0 J	4.0 J	5.0 J	<10	NA
Total SVOCs	- -	31 J	3.0 J [3.0 J]	6.1 J	2.6 J	7,000 J	17 J	5.0 J	87 J	5.0 J	0.90 J	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-19D				MW-19D1	MW-20S		MW-20D		MW-21S	
Date Collected:	Values	03/27/03	01/31/06	03/24/08	12/07/10	04/08/03	04/23/03	02/02/06	04/23/03	01/25/06	04/10/03	02/25/13
Detected Pesticides												
4,4'-DDD	0.3	<0.19	NA	NA	NA	<0.15	<0.20	NA	<0.16	NA	<0.15	NA
4,4'-DDE	0.2	<0.13	NA	NA	NA	<0.10	<0.14	NA	<0.11	NA	<0.10	NA
4,4'-DDT	0.2	<0.13 J	NA	NA	NA	<0.10	<0.14	NA	<0.11	NA	<0.10	NA
Aldrin	0	0.035 J	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Alpha-BHC	0.01	<0.064	NA	NA	NA	0.027 J	<0.068	NA	<0.053	NA	<0.050	NA
Alpha-Chlordane	0.05	0.040 J	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Beta-BHC	- -	<0.064	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Delta-BHC	- -	0.029 J	NA	NA	NA	0.065 J	0.069	NA	0.024 J	NA	<0.050	NA
Dieldrin	0.004	<0.13	NA	NA	NA	<0.10	<0.14	NA	<0.11	NA	<0.10	NA
Endosulfan I	- -	<0.064	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Endosulfan II	- -	<0.13	NA	NA	NA	<0.10	<0.14	NA	<0.11	NA	<0.10	NA
Endosulfan Sulfate	- -	<0.13	NA	NA	NA	0.058 J	<0.14	NA	<0.11	NA	<0.10	NA
Endrin	0	<0.13	NA	NA	NA	<0.10	<0.14	NA	<0.11	NA	<0.10	NA
Endrin Aldehyde	5	<0.13	NA	NA	NA	<0.10	<0.14	NA	<0.11	NA	<0.10	NA
Gamma-BHC (Lindane)	0.05	<0.064	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Gamma-Chlordane	0.05	<0.064	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Heptachlor	0.04	<0.064	NA	NA	NA	<0.050	0.0095 J	NA	<0.053	NA	<0.050	NA
Heptachlor Epoxide	0.03	<0.064	NA	NA	NA	<0.050	<0.068	NA	<0.053	NA	<0.050	NA
Methoxychlor	35	<0.64	NA	NA	NA	<0.50	<0.68	NA	<0.53	NA	<0.50	NA
Detected Inorganics												
Aluminum	- -	138 B	NA	NA	NA	1,840 B	<2,500	NA	<12,500	NA	<2,500	NA
Antimony	3	<20.0	NA	NA	NA	<500	<100	NA	<500	NA	<100	NA
Arsenic	25	18.6 B	NA	NA	NA	<1,000	<200	NA	<1,000	NA	<200	NA
Barium	1,000	415	NA	NA	NA	1,720	47.6 EJ	NA	310 EJ	NA	52.4	NA
Beryllium	- -	<5.00	NA	NA	NA	<125	<25.0	NA	<125	NA	<25.0	NA
Cadmium	5	<10.0	NA	NA	NA	<250	<50.0	NA	<250	NA	<50.0	NA
Calcium	- -	516,000	NA	NA	NA	511,000	542,000 EJ	NA	232,000 EJ	NA	123,000	NA
Chromium	50	13.4	NA	NA	NA	55.4 B	<50.0	NA	<250	NA	<50.0	NA
Detected Inorganics												
Cobalt	- -	2.90 B	NA	NA	NA	<250	<50.0	NA	<250	NA	<50.0	NA
Copper	200	1.50 B	NA	NA	NA	<250	31.0 B	NA	<250	NA	<50.0	NA
Cyanide	200	7.10 JB	8.50 B [8.60 B]	NA	NA	<10.0	106	84.9	15.2	58.3	17.3	27.0
Cyanide, Available	- -	86	3	NA	NA	172	6	<2	<2	3	2	1.7 J
Iron	300	266	NA	NA	NA	2,690 B	<1,000	NA	<5,000	NA	<1,000	<100
Lead	25	<10.0	NA	NA	NA	<250	<50.0	NA	<250	NA	<50.0	NA
Magnesium	- -	500	NA	NA	NA	13,700	304 BJ	NA	18,000 EJ	NA	18,200	NA
Manganese	300	7.50 B	NA	NA	NA	<375	<75.0	NA	<375	NA	35.3 B	4.00 B
Mercury	0.7	1.20	NA	NA	NA	<0.200	<0.200 J	NA	<0.200 J	NA	<0.200	NA
Nickel	100	16.2	NA	NA	NA	180 B	<50.0	NA	<250	NA	<50.0	NA
Potassium	- -	134,000 EJ	NA	NA	NA	2,060,000 J	26,600	NA	62,000	NA	38,500 J	NA
Selenium	10	<30.0 J	NA	NA	NA	<750	<150	NA	<750	NA	<150	NA
Silver	50	<6.00	NA	NA	NA	<150	<30.0	NA	<150	NA	<30.0	NA
Sodium	- -	119,000	NA	NA	NA	5,300,000	99,600	NA	3,620,000	NA	173,000	NA
Thallium	- -	<40.0	NA	NA	NA	<1,000	<200	NA	<1,000	NA	<200	NA
Vanadium	- -	4.60 B	NA	NA	NA	26.0 B	<30.0	NA	<150	NA	5.80 B	NA
Zinc	2,000	<50.0	NA	NA	NA	<1,250	<250	NA	<1,250	NA	<250	NA
Detected Inorganics-Filtered												
Iron	300	110 B	NA	NA	NA	<1,000	<2,000	NA	<2,000	NA	<1,000	NA
Manganese	300	44.3	NA	NA	NA	<75.0	<150	NA	<150	NA	46.9 B	NA
Detected Miscellaneous												
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	890
BOD	- -	97,000	NA	NA	NA	>482,000 J	930 B	NA	42,000	NA	3,200 J	NA
Carbon Dioxide by Headspace	- -	<600	NA	NA	NA	<600	<600	NA	<600	NA	3,800	<100
Carbon monoxide	- -	<400	NA	NA	NA	<400	<400	NA	<400	NA	<400	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	374,000	NA	NA	NA	1,360,000	19,500	NA	233,000	NA	5,920 B	NA
Chloride	250,000	22,000,000	NA	NA	NA	66,000,000	100,000	NA	1,500 B	NA	380,000	NA
DOC Average Quads	- -	80,000	NA	NA	NA	430,000	5,100	NA	51,000	NA	2,900	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	8,800	NA	NA	NA	1,300	670	NA	18,000	NA	12	22.1
Nitrate + Nitrite (as N)	- -	NA	<1,800 [<1,800]	NA	NA	NA	NA	<8	NA	<2,000	NA	400
Nitrate Nitrogen	10,000	<500	NA	NA	NA	<5,000	950	NA	<10,000	NA	1,400	130
Nitrite Nitrogen	1,000	<500	NA	NA	NA	<25,000	680	NA	6,600 B	NA	<100	270
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37 B
Oxygen	- -	740	NA	NA	NA	770	4,000	NA	400	NA	2,100	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	200,000	180,000 [179,000]	NA	NA	240,000	380,000	421,000	130,000	13,500	60,000	63,400
Sulfide	50	62,000	NA	NA	NA	7,600	<1,000	NA	38,000	NA	43,000	<2,000
TOC Average Quads	- -	83,000	NA	NA	NA	440,000	5,700	NA	60,000	NA	4,200	2,700
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-21D		MW-22S				
Date Collected:	Values	04/10/03	02/25/13	03/28/03	02/02/06	03/24/08	12/07/10	02/28/13
Detected Volatile Organics								
1,1,1-Trichloroethane	5	<5.0	NA	<5.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<5.0	NA	<5.0	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<5.0	NA	<5.0	NA	NA	NA	NA
1,1-Dichloroethane	5	<5.0	NA	<5.0	NA	NA	NA	NA
2-Butanone	- -	7.0 J	NA	<10	NA	NA	NA	NA
2-Hexanone	50	<10	NA	<10	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	NA	<10	NA	NA	NA	NA
Acetone	50	45 J	NA	<10	NA	NA	NA	NA
Benzene	1	20	4.8	<5.0	1.4 J	<1.0	<5.0	<0.50
Bromodichloromethane	50	<5.0	NA	<5.0	NA	NA	NA	NA
Bromoform	50	<5.0	NA	<5.0	NA	NA	NA	NA
Bromomethane	5	<5.0 J	NA	<5.0	NA	NA	NA	NA
Carbon Disulfide	- -	<5.0	NA	<5.0	NA	NA	NA	NA
Chlorobenzene	5	<5.0	NA	<5.0	NA	NA	NA	NA
Chloroform	7	<5.0	NA	<5.0	NA	NA	NA	NA
Chloromethane	- -	2.0 J	NA	<5.0	NA	NA	NA	NA
Dibromochloromethane	50	<5.0	NA	<5.0	NA	NA	NA	NA
Ethylbenzene	5	1.0 J	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0
Methylene Chloride	5	0.40 J	NA	<5.0	NA	NA	NA	NA
Styrene	5	<5.0	NA	<5.0	NA	NA	NA	NA
Tetrachloroethene	5	<5.0	NA	<5.0	NA	NA	NA	NA
Toluene	5	8.0	1.8	<5.0	0.66 J	<5.0	<5.0	<1.0
Trichloroethene	5	<5.0	NA	<5.0	NA	NA	NA	NA
Vinyl Chloride	2	<5.0	NA	<5.0	NA	NA	NA	NA
Xylenes (total)	5	12	2.4	<5.0	<1.0	<5.0 J	<5.0	0.71 J
Total BTEX	- -	41 J	9.0	<5.0	2.1 J	<5.0	<5.0	0.71 J
Total VOCs	- -	95 J	9.0	<10	2.1 J	<5.0	<5.0	0.71 J
Detected Semivolatile Organics								
2,4-Dimethylphenol	50	0.90 J	NA	<10	NA	NA	NA	NA
2,4-Dinitrophenol	10	<50	NA	<50	NA	NA	NA	NA
2-Chloronaphthalene	10	<10	NA	<10	NA	NA	NA	NA
2-Methylnaphthalene	- -	1.0 J	NA	<10	<0.60	<11	<4.2	NA
2-Methylphenol	- -	2.0 J	NA	<10	NA	NA	NA	NA
2-Nitrophenol	- -	<10	NA	<10	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<20	NA	<20	NA	NA	NA	NA
4-Methylphenol	- -	10	NA	<10	NA	NA	NA	NA
4-Nitroaniline	5	<20	NA	<20	NA	NA	NA	NA
Acenaphthene	20	<10	NA	<10	<0.80	<11	<4.2	NA
Acenaphthylene	- -	<10	NA	<10	<0.80	<11	<4.2	NA
Anthracene	50	<10	NA	<10	<1.0	<11	<4.2	NA
Benzo(a)anthracene	0.002	<10	NA	<10	<1.0	<11	<4.2	NA
Benzo(a)pyrene	0	<10	NA	<10	<1.0	<11	<4.2	NA
Benzo(b)fluoranthene	0.002	<10	NA	<10	<2.0	<11	<4.2	NA
Benzo(g,h,i)perylene	- -	<10	NA	<10	<1.0	<11	<4.2	NA
Benzo(k)fluoranthene	0.002	<10	NA	<10	<0.90	<11	<4.2	NA
bis(2-Ethylhexyl)phthalate	5	<10	NA	<10	NA	NA	NA	NA
Butylbenzylphthalate	50	<10	NA	<10	NA	NA	NA	NA
Detected Semivolatile Organics								
Carbazole	- -	0.40 J	NA	<10	NA	NA	NA	NA
Chrysene	0.002	<10	NA	<10	<1.0	<11	<4.2	NA
Dibenzo(a,h)anthracene	- -	<10	NA	<10	<1.0	<11	<4.2	NA
Dibenzofuran	- -	<10	NA	<10	NA	NA	NA	NA
Diethylphthalate	50	<10	NA	<10	NA	NA	NA	NA
Dimethylphthalate	50	<10	NA	<10	NA	NA	NA	NA
Di-n-Butylphthalate	50	<10	NA	<10	NA	NA	NA	NA
Di-n-Octylphthalate	50	<10	NA	<10	NA	NA	NA	NA
Fluoranthene	50	<10	NA	<10	<1.0	<11	<4.2	NA
Fluorene	50	<10	NA	<10	<0.80	<11	<4.2	NA
Indeno(1,2,3-cd)pyrene	0.002	<10	NA	<10	<1.0	<11	<4.2	NA
Isophorone	50	<10	NA	<10	NA	NA	NA	NA
Naphthalene	10	14	12	1.0 J	0.70 J	<11	<4.2	6.4
Phenanthrene	50	0.50 J	NA	<10	<0.70	<11	<4.2	NA
Phenol	1	22	NA	<10	NA	NA	NA	NA
Pyrene	50	<10	NA	<10	<1.0	<11	<4.2	NA
Total PAHs	- -	16 J	NA	1.0 J	0.70 J	<11	<4.2	NA
Total SVOCs	- -	51 J	NA	1.0 J	0.70 J	<11	<4.2	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-21D		MW-22S				
Date Collected:	Values	04/10/03	02/25/13	03/28/03	02/02/06	03/24/08	12/07/10	02/28/13
Detected Pesticides								
4,4'-DDD	0.3	<0.16	NA	<0.16	NA	NA	NA	NA
4,4'-DDE	0.2	<0.11	NA	<0.11	NA	NA	NA	NA
4,4'-DDT	0.2	<0.11	NA	<0.11 J	NA	NA	NA	NA
Aldrin	0	<0.054	NA	<0.053	NA	NA	NA	NA
Alpha-BHC	0.01	<0.054	NA	<0.053	NA	NA	NA	NA
Alpha-Chlordane	0.05	<0.054	NA	<0.053	NA	NA	NA	NA
Beta-BHC	- -	<0.054	NA	<0.053	NA	NA	NA	NA
Delta-BHC	- -	0.022 J	NA	<0.053	NA	NA	NA	NA
Dieldrin	0.004	<0.11	NA	<0.11	NA	NA	NA	NA
Endosulfan I	- -	<0.054	NA	<0.053	NA	NA	NA	NA
Endosulfan II	- -	<0.11	NA	<0.11	NA	NA	NA	NA
Endosulfan Sulfate	- -	<0.11	NA	<0.11	NA	NA	NA	NA
Endrin	0	<0.11	NA	<0.11	NA	NA	NA	NA
Endrin Aldehyde	5	<0.11	NA	<0.11	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	<0.054	NA	<0.053	NA	NA	NA	NA
Gamma-Chlordane	0.05	<0.054	NA	<0.053	NA	NA	NA	NA
Heptachlor	0.04	<0.054	NA	<0.053	NA	NA	NA	NA
Heptachlor Epoxide	0.03	<0.054	NA	<0.053	NA	NA	NA	NA
Methoxychlor	35	<0.54	NA	<0.53	NA	NA	NA	NA
Detected Inorganics								
Aluminum	- -	538 B	NA	8,530	NA	NA	NA	NA
Antimony	3	<100	NA	<20.0	NA	NA	NA	NA
Arsenic	25	<200	NA	8.40 B	NA	NA	NA	NA
Barium	1,000	383	NA	72.0	NA	NA	NA	NA
Beryllium	- -	<25.0	NA	<5.00	NA	NA	NA	NA
Cadmium	5	<50.0	NA	<10.0	NA	NA	NA	NA
Calcium	- -	698,000	NA	880,000	NA	NA	NA	NA
Chromium	50	<50.0	NA	111	NA	NA	NA	NA
Detected Inorganics								
Cobalt	- -	<50.0	NA	7.40 B	NA	NA	NA	NA
Copper	200	<50.0	NA	140	NA	NA	NA	NA
Cyanide	200	14.6	41.0	<10.0 J	<1.00	NA	NA	<10.0
Cyanide, Available	- -	9.00000000000001	2.7	248	<2	NA	NA	0.54 J
Iron	300	757 B	34.7 B	7,630	NA	NA	NA	28.8 B
Lead	25	<50.0	NA	112	NA	NA	NA	NA
Magnesium	- -	521	NA	29,500	NA	NA	NA	NA
Manganese	300	24.3 B	<15.0	918	NA	NA	NA	2.40 B
Mercury	0.7	0.800	NA	0.310	NA	NA	NA	NA
Nickel	100	9.00 B	NA	72.8	NA	NA	NA	NA
Potassium	- -	54,100 J	NA	6,620 EJ	NA	NA	NA	NA
Selenium	10	<150	NA	<30.0 J	NA	NA	NA	NA
Silver	50	<30.0	NA	1.60 B	NA	NA	NA	NA
Sodium	- -	707,000	NA	52,900	NA	NA	NA	NA
Thallium	- -	<200	NA	<40.0	NA	NA	NA	NA
Vanadium	- -	<30.0	NA	20.1	NA	NA	NA	NA
Zinc	2,000	<250	NA	152	NA	NA	NA	NA
Detected Inorganics-Filtered								
Iron	300	<1,000	NA	6,040	NA	NA	NA	NA
Manganese	300	<75.0	NA	912	NA	NA	NA	NA
Detected Miscellaneous								
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	2,700	NA	NA	NA	NA	32 B
BOD	- -	15,000 J	NA	2,600	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	<600	<100	<600	NA	NA	NA	<100
Carbon monoxide	- -	<400	NA	<400	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
COD	- -	64,200	NA	<10,000	NA	NA	NA	NA
Chloride	250,000	1,500,000	NA	53,000	NA	NA	NA	NA
DOC Average Quads	- -	12,000	NA	2,100	NA	NA	NA	1,600
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	<200
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	<100
Methane	- -	1,300	65.8	31	NA	NA	NA	1.21 JB
Nitrate + Nitrite (as N)	- -	NA	80 B	NA	271	NA	NA	210
Nitrate Nitrogen	10,000	240	70 B	360	NA	NA	NA	210
Nitrite Nitrogen	1,000	<500	9.7 B	<100	NA	NA	NA	3.6 B
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	83 B	NA	NA	NA	NA	13 B
Oxygen	- -	770	NA	12,000	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	37,000	42,100	200,000	140,000	NA	NA	161,000
Sulfide	50	9,000	5,000	<1,000	NA	NA	NA	<2,000
TOC Average Quads	- -	14,000	4,600	2,200	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-22D					MW-23S						
Date Collected:	Values	04/08/03	01/24/06	03/24/08	02/27/13	02/28/13	01/30/06	05/10/06	08/17/06	11/15/06	03/27/08	12/09/10	03/01/13
Detected Volatile Organics													
1,1,1-Trichloroethane	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	42	30	13	31	NA	6.0 J	8.1	6.6	5.9	6.9	6.6	7.2
Bromodichloromethane	50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<10	13	4.1 J	12	NA	26	42	39	32	22	31	30
Methylene Chloride	5	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	60	74	26	57	NA	46	53	42	36	22	20	22
Trichloroethene	5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	190	330	93	210	NA	220	260	230	190	120	180	200
Total BTEX	- -	290	450	140 J	310	NA	300 J	360	320	260	170	240	260
Total VOCs	- -	390	450	140 J	310	NA	300 J	360	320	260	170	240	260
Detected Semivolatile Organics													
2,4-Dimethylphenol	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	2.0 J	<6.0	<110	NA	NA	130 J	130 J	170 J	160 J	65	68	NA
2-Methylphenol	- -	2.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	<80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	9.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	<80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<40	<8.0	<110	NA	NA	<17	<20	<16	<16	2.0 J	2.5 J	NA
Acenaphthylene	- -	<40	<8.0	<110	NA	NA	40 J	48 J	43 J	46 J	21	26	NA
Anthracene	50	<40	<10	<110	NA	NA	<21	<25	<20	<20	<10	<4.2	NA
Benzo(a)anthracene	0.002	<40	<12	<110	NA	NA	<25	<30	<24	<15	<10	<4.2	NA
Benzo(a)pyrene	0	<40	<11	<110	NA	NA	<23	<27	<22	<10	<10	<4.2	NA
Benzo(b)fluoranthene	0.002	<40	<15	<110	NA	NA	<32	<38	<31	<19	<10	<4.2	NA
Benzo(g,h,i)perylene	- -	<40	<10	<110	NA	NA	<22	<26	<21	<6.0	<10	<4.2	NA
Benzo(k)fluoranthene	0.002	<40	<9.0	<110	NA	NA	<19	<23	<18	<19	<10	<4.2	NA
bis(2-Ethylhexyl)phthalate	5	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics													
Carbazole	- -	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<40	<10	<110	NA	NA	<20	<24	<19	<23	<10	<4.2	NA
Dibenzo(a,h)anthracene	- -	<40	<13	<110	NA	NA	<28	<34	<27	<5.0	<10	<4.2	NA
Dibenzofuran	- -	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<40	<11	<110	NA	NA	<23	<27	<22	<18	<10	<4.2	NA
Fluorene	50	<40	<8.0	<110	NA	NA	<16	<19	<15	<14	3.6 J	4.4	NA
Indeno(1,2,3-cd)pyrene	0.002	<40	<12	<110	NA	NA	<24	<29	<23	<6.0	<10	<4.2	NA
Isophorone	50	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	230	290	380	300	NA	1,300	1,600	1,600	1,300	730 D	660 D	3,000
Phenanthrene	50	<40	<7.0	<110	NA	NA	<14	<16	<13	<14	1.6 J	2.3 J	NA
Phenol	1	83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<40	<10	<110	NA	NA	<21	<25	<20	<19	<10	<4.2	NA
Total PAHs	- -	230 J	290	380	NA	NA	1,500 J	1,800 J	1,800 J	1,500 J	820 J	760 J	NA
Total SVOCs	- -	330 J	290	380	NA	NA	1,500 J	1,800 J	1,800 J	1,500 J	820 J	760 J	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-22D					MW-23S						
Date Collected:	Values	04/08/03	01/24/06	03/24/08	02/27/13	02/28/13	01/30/06	05/10/06	08/17/06	11/15/06	03/27/08	12/09/10	03/01/13
Detected Pesticides													
4,4'-DDD	0.3	<0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	0.0096 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics													
Aluminum	- -	<12,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	<1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	<125	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	562,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics													
Cobalt	- -	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	2.50 B	9.70 B	NA	91.0	NA	674	654	658	232 J	260	510	2,300
Cyanide, Available	- -	17	<2	NA	24	NA	<2	NA	NA	NA	NA	NA	33
Iron	300	<5,000	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	1,690
Lead	25	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	13,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	<375	NA	NA	24.7	NA	NA	NA	NA	NA	NA	NA	59.3
Mercury	0.7	<0.200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	102,000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	<750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	<150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	4,110,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	<1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	<150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	<1,250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered													
Iron	300	<1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	<75.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous													
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	24,600	NA	NA	NA	NA	NA	NA	<2	10,500
BOD	- -	71,000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	<600	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	<100
Carbon monoxide	- -	<400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	232,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	11,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	37,000	NA	NA	NA	29,500	NA	NA	NA	NA	NA	NA	15,700
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA	1,700
Iron, Ferrous	- -	NA	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	<100
Methane	- -	11,000	NA	NA	2,090	NA	NA	NA	NA	NA	NA	NA	193
Nitrate + Nitrite (as N)	- -	NA	<4,000	NA	840	NA	<8	NA	NA	NA	NA	NA	64 B
Nitrate Nitrogen	10,000	<5,000	NA	NA	830	NA	NA	NA	NA	NA	NA	NA	57 B
Nitrite Nitrogen	1,000	<5,000	NA	NA	6.1 B	NA	NA	NA	NA	NA	NA	NA	7.4 B
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	74 B	NA	NA	NA	NA	NA	NA	NA	87 B
Oxygen	- -	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	220,000	175,000	NA	109,000	NA	322,000	NA	NA	NA	NA	NA	278,000
Sulfide	50	42,000	NA	NA	132,000	NA	NA	NA	NA	NA	NA	NA	12,000
TOC Average Quads	- -	40,000	NA	NA	21,600	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-23D						
Date Collected:	Values	01/26/06	05/09/06	08/16/06	11/14/06	03/26/08	12/09/10	03/01/13
Detected Volatile Organics								
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA
Benzene	1	100	140	140	120	130 J	86 [82]	120
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<2.0	110	110	100	160	1.5 J [1.2 J]	83
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA
Toluene	5	11	21	37	36	34 J	0.73 J [<5.0]	8.8
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	49	99	110	110	160 J	16 [16]	49
Total BTEX	- -	160	370	400	370	480 J	100 J [99 J]	260
Total VOCs	- -	160	370	400	370	480 J	100 J [99 J]	260
Detected Semivolatile Organics								
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<6.0	<6.0	<6.0	<2.0	<110	<4.2 [<4.2]	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<8.0	<8.0	<8.0	<3.0	<110	<4.2 [<4.2]	NA
Acenaphthylene	- -	<8.0	<8.0	<8.0	<3.0	<110	<4.2 [<4.2]	NA
Anthracene	50	<10	<10	<10	<4.0	<110	<4.2 [<4.2]	NA
Benzo(a)anthracene	0.002	<12	<12	<12	<3.0	<110	<4.2 [<4.2]	NA
Benzo(a)pyrene	0	<11	<11	<11	<2.0	<110	<4.2 [<4.2]	NA
Benzo(b)fluoranthene	0.002	<15	<15	<15	<4.0	<110	<4.2 [<4.2]	NA
Benzo(g,h,i)perylene	- -	<10	<10	<10	<1.0	<110	<4.2 [<4.2]	NA
Benzo(k)fluoranthene	0.002	<9.0	<9.0	<9.0	<4.0	<110	<4.2 [<4.2]	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics								
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<10	<10	<10	<5.0	<110	<4.2 [<4.2]	NA
Dibenzo(a,h)anthracene	- -	<13	<13	<13	<1.0	<110	<4.2 [<4.2]	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<11	<11	<11	<4.0	<110	<4.2 [<4.2]	NA
Fluorene	50	<8.0	<8.0	<8.0	<3.0	<110	<4.2 [<4.2]	NA
Indeno(1,2,3-cd)pyrene	0.002	<12	<12	<12	<1.0	<110	<4.2 [<4.2]	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	540	460	400	230	400	400 D [450 D]	330
Phenanthrene	50	<7.0	<7.0	<7.0	<3.0	<110	<4.2 [<4.2]	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<10	<10	<10	<4.0	<110	<4.2 [<4.2]	NA
Total PAHs	- -	540	460	400	230	400	400 [450]	NA
Total SVOCs	- -	540	460	400	230	400	400 [450]	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-23D						
Date Collected:	Values	01/26/06	05/09/06	08/16/06	11/14/06	03/26/08	12/09/10	03/01/13
Detected Pesticides								
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics								
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics								
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	29.4	16.8	42.3	37.4 J	68.0	149 [181]	250
Cyanide, Available	- -	4	NA	NA	NA	NA	NA	6.8
Iron	300	NA	NA	NA	NA	NA	NA	1,090
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	31.6
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered								
Iron	300	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous								
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	67 J	<2	11,000
BOD	- -	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	209
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	10,500
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	1,100
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	<100
Methane	- -	NA	NA	NA	NA	NA	NA	402
Nitrate + Nitrite (as N)	- -	<40	NA	NA	NA	NA	NA	570
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	570
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	3.7 B
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	240
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	2,560	NA	NA	NA	NA	NA	37,100
Sulfide	50	NA	NA	NA	NA	NA	NA	1,900 B
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-24S							
Date Collected:	Values	01/30/06	05/10/06	08/16/06	11/14/06	03/26/08	12/08/10	02/26/13	03/04/13
Detected Volatile Organics									
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	8.6	6.9	7.4	5.3	3.0	6.0	12	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	26	15	11	3.6 J	5.7	12	19	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	28	15	12	6.8	8.1	14	27	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	180	89	56	22	43	68	110	NA
Total BTEX	- -	240	130	86	38 J	60	100	160	NA
Total VOCs	- -	240	130	86	38 J	60	100	160	NA
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	3.0 J	2.0 J	2.0 J	3.0 J	4.5 J	4.3	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<2.0	<0.80	<0.80	<2.0	<40	<4.3	NA	NA
Acenaphthylene	- -	<2.0	<0.80	<0.80	<2.0	<40	0.50 J	NA	NA
Anthracene	50	<2.0	<1.0	<1.0	<2.0	<40	0.36 J	NA	NA
Benzo(a)anthracene	0.002	<2.0	<1.0	<1.0	<2.0	<40	<4.3	NA	NA
Benzo(a)pyrene	0	<2.0	<1.0	<1.0	<1.0	<40	<4.3	NA	NA
Benzo(b)fluoranthene	0.002	<3.0	<2.0	<2.0	<2.0	<40	<4.3	NA	NA
Benzo(g,h,i)perylene	- -	<2.0	<1.0	<1.0	<0.60	<40	<4.3	NA	NA
Benzo(k)fluoranthene	0.002	<2.0	<0.90	<1.0	<2.0	<40	<4.3	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<2.0	<1.0	<1.0	<2.0	<40	<4.3	NA	NA
Dibenzo(a,h)anthracene	- -	<3.0	<1.0	<1.0	<0.50	<40	<4.3	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<2.0	<1.0	<1.0	<2.0	<40	0.68 J	NA	NA
Fluorene	50	<2.0	<0.80	<0.80	<1.0	<40	<4.3	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<2.0	<1.0	<1.0	<0.60	<40	<4.3	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	120	75	72	110	160	190 DJ	180	NA
Phenanthrene	50	3.0 J	2.0 J	3.0 J	3.0 J	2.6 J	3.0 J	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<2.0	<1.0	<1.0	<2.0	<40	<4.3	NA	NA
Total PAHs	- -	130 J	79 J	77 J	120 J	170 J	200 J	NA	NA
Total SVOCs	- -	130 J	79 J	77 J	120 J	170 J	200 J	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	MW-24S							
Date Collected:		01/30/06	05/10/06	08/16/06	11/14/06	03/26/08	12/08/10	02/26/13	03/04/13
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	178	587	630	409 J	1,000	875	1,100	NA
Cyanide, Available	- -	2	NA	NA	NA	NA	NA	28	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	417
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	<15.0	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	15	<2	9,200	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	<100	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	19,500
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	420
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	<100
Methane	- -	NA	NA	NA	NA	NA	NA	13.8	NA
Nitrate + Nitrite (as N)	- -	83 B	NA	NA	NA	NA	NA	2,400	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	1,700	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	660	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	<100	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	544,000	NA	NA	NA	NA	NA	534,000	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	<2,000	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	23,300	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-24D							
Date Collected:	Values	01/26/06	05/09/06	08/15/06	11/15/06	03/26/08	12/08/10	02/26/13	03/04/13
Detected Volatile Organics									
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	240	250	230	250	220	100	210 [200]	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<4.0 H	<2.0	<2.0	<2.0	<10	<5.0	<2.0 [<2.0]	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	2.9 J	1.3 J	0.95 J	0.95 J	0.51 J	<5.0	<2.0 [<2.0]	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	<4.0	<2.0	<2.0	<2.0	<10	<5.0	<2.0 [<2.0]	NA
Total BTEX	- -	240 J	250 J	230 J	250 J	220 J	100	210 [200]	NA
Total VOCs	- -	240 J	250 J	230 J	250 J	220 J	100	210 [200]	NA
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.60	<0.60	<0.60	<0.70	<10	<4.2	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	<0.80	<0.80	<0.90	<10	<4.2	NA	NA
Acenaphthylene	- -	<0.80	<0.80	<0.80	<0.90	<10	<4.2	NA	NA
Anthracene	50	<1.0	<1.0	<1.0	<1.0	<10	<4.2	NA	NA
Benzo(a)anthracene	0.002	<1.0	<1.0	<1.0	<0.90	<10	<4.2	NA	NA
Benzo(a)pyrene	0	<1.0	<1.0	<1.0	<0.60	<10	<4.2	NA	NA
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<2.0	<1.0	<10	<4.2	NA	NA
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<1.0	<0.40	<10	<4.2	NA	NA
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<0.90	<1.0	<10	<4.2	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<1.0	<1.0	<10	<4.2	NA	NA
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<1.0	<0.30	<10	<4.2	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<1.0	<1.0	<1.0	<10	<4.2	NA	NA
Fluorene	50	<0.80	<0.80	<0.80	<0.80	<10	<4.2	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<1.0	<0.40 J	<10	<4.2	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	<0.70	<0.70	<0.70	<0.50	<10	<4.2	12 [<10]	NA
Phenanthrene	50	<0.70	<0.70	<0.70	<0.80	<10	<4.2	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<1.0	<1.0	<10	<4.2	NA	NA
Total PAHs	- -	<2.0	<2.0	<2.0	<1.0	<10	<4.2	NA	NA
Total SVOCs	- -	<2.0	<2.0	<2.0	<1.0	<10	<4.2	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-24D							
Date Collected:	Values	01/26/06	05/09/06	08/15/06	11/15/06	03/26/08	12/08/10	02/26/13	03/04/13
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	32.3	23.7	38.1	13.0 J	27.0	43.0	210 [240]	NA
Cyanide, Available	- -	<2	NA	NA	NA	NA	NA	9.6 [9.9]	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	374
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	32.3 [31.1]	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	11	<2	75,000 [73,900]	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	3,770 [4,280]	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	14,400
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	150 B
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	220
Methane	- -	NA	NA	NA	NA	NA	NA	3,340 [2,980]	NA
Nitrate + Nitrite (as N)	- -	<160	NA	NA	NA	NA	NA	1,800 [640]	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	1,800 [640]	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	2.1 B [3 B]	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	71 B [74 B]	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	27,800	NA	NA	NA	NA	NA	<5,000 [<5,000]	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	1,300 B [890 B]	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	15,100 [15,500]	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	MW-25S							
Date Collected:		01/31/06	05/11/06	08/18/06	11/15/06	03/26/08	12/10/10	02/26/13	03/04/13
Detected Volatile Organics									
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	<0.40	3.5 J	4.9 J	2.8 J	2.5	4.0 J	2.2	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<1.0	<1.0	<1.0	1.4 J	1.0 J	<5.0	0.67 J	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	4.3 J	3.5 J	4.2 J	3.0 J	2.9 J	3.1 J	2.6	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	6.9	6.8	4.8 J	6.8	6.3	6.2	3.9	NA
Total BTEX	- -	11 J	14 J	14 J	14 J	13 J	13 J	9.4 J	NA
Total VOCs	- -	11 J	14 J	14 J	14 J	13 J	13 J	9.4 J	NA
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	4.0 J	4.0 J	2.0 J	3.0 J	1.9 J	2.6 J	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	0.80 J	<0.90	<0.80	0.46 J	0.60 J	NA	NA
Acenaphthylene	- -	<0.80	<0.80	<0.80	<0.80	0.39 J	0.44 J	NA	NA
Anthracene	50	1.0 J	1.0 J	<1.0	1.0 J	1.2 J	1.8 J	NA	NA
Benzo(a)anthracene	0.002	<1.0	<1.0	<1.0	<0.80	<10	<4.0	NA	NA
Benzo(a)pyrene	0	<1.0	<1.0	<1.0	<0.50	<10	<4.0	NA	NA
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<2.0	<1.0	<10	<4.0	NA	NA
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<1.0	<0.30	<10	<4.0	NA	NA
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<1.0	<0.90	<10	<4.0	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<1.0	<1.0	<10	<4.0	NA	NA
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<1.0	<0.20	<10	<4.0	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	1.0 J	<1.0	<1.0	<0.90	1.1 J	1.9 J	NA	NA
Fluorene	50	2.0 J	2.0 J	<0.80	1.0 J	0.68 J	1.2 J	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<1.0	<0.30 J	<10	<4.0	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	21	20	10 J	14	9.9 J	15	25	NA
Phenanthrene	50	10 J	9.0 J	5.0 J	8.0 J	8.1 J	11	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<1.0	<1.0	0.54 J	0.89 J	NA	NA
Total PAHs	- -	39 J	37 J	17 J	27 J	24 J	35 J	NA	NA
Total SVOCs	- -	39 J	37 J	17 J	27 J	24 J	35 J	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	MW-25S							
Date Collected:		01/31/06	05/11/06	08/18/06	11/15/06	03/26/08	12/10/10	02/26/13	03/04/13
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	<1.00	2.20 B	<1.30	<1.30 J	3.60 J	11.0	270	NA
Cyanide, Available	- -	<2	NA	NA	NA	NA	NA	4.5	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	34.3 B
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	<15.0	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	3.8	<2	6,800	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	<100	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	30,500
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	<200
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	<100
Methane	- -	NA	NA	NA	NA	NA	NA	441	NA
Nitrate + Nitrite (as N)	- -	<8	NA	NA	NA	NA	NA	85 B	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	<110	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	67	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	21 B	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	66,100	NA	NA	NA	NA	NA	147,000	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	3,700	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	30,600	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-25D							
Date Collected:	Values	01/27/06	05/10/06	08/15/06	11/14/06	03/26/08	12/10/10	02/26/13	03/04/13
Detected Volatile Organics									
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	74	75	62	66	51	40	29	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0	1.1 J	<5.0	<1.0	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	2.5 J	1.7 J	2.0 J	1.4 J	1.1 J	<5.0	<1.0	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	4.7 J	3.6 J	5.2	3.4 J	9.2	3.7 J	2.5	NA
Total BTEX	- -	81 J	80 J	69 J	71 J	62 J	44 J	32	NA
Total VOCs	- -	81 J	80 J	69 J	71 J	62 J	44 J	32	NA
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.60	<0.60	<1.0	<0.60	<10	<4.3	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	<0.80	<2.0	<0.80	<10	<4.3	NA	NA
Acenaphthylene	- -	<0.80	<0.80	<2.0	<0.80	<10	<4.3	NA	NA
Anthracene	50	<1.0	<1.0	<2.0	<1.0	<10	<4.3	NA	NA
Benzo(a)anthracene	0.002	<1.0	<1.0	<3.0	<0.80	<10	<4.3	NA	NA
Benzo(a)pyrene	0	<1.0	<1.0	<2.0	<0.50	<10	<4.3	NA	NA
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<3.0	<1.0	<10	<4.3	NA	NA
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<2.0	<0.30	<10	<4.3	NA	NA
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<2.0	<0.90	<10	<4.3	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<2.0	<1.0	<10	<4.3	NA	NA
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<3.0	<0.20 J	<10	<4.3	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<1.0	<2.0	<0.90	<10	<4.3	NA	NA
Fluorene	50	<0.80	<0.80	<2.0	<0.70	<10	<4.3	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<3.0	<0.30	<10	<4.3	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	<0.70	<0.70	<1.0	<0.40	<10	<4.3	6.9	NA
Phenanthrene	50	<0.70	<0.70	<1.0	<0.70	<10	<4.3	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<2.0	<1.0	<10	<4.3	NA	NA
Total PAHs	- -	<2.0	<2.0	<3.0	<1.0	<10	<4.3	NA	NA
Total SVOCs	- -	<2.0	<2.0	<3.0	<1.0	<10	<4.3	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	MW-25D							
Date Collected:		01/27/06	05/10/06	08/15/06	11/14/06	03/26/08	12/10/10	02/26/13	03/04/13
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	111	30.1	47.5	13.5 J	42.0	56.2	400	NA
Cyanide, Available	- -	<2	NA	NA	NA	NA	NA	24	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	170
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	32.9	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	180	<2	28,000	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	2,480	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	14,300
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	170 B
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	<100
Methane	- -	NA	NA	NA	NA	NA	NA	1,880	NA
Nitrate + Nitrite (as N)	- -	<400	NA	NA	NA	NA	NA	400	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	380	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	16 B	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	<100	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	261,000	NA	NA	NA	NA	NA	208,000	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	100,000	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	14,200	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-26S					MW-26D				
Date Collected:	Values	01/31/06	03/27/08	12/08/10	02/27/13	03/04/13	01/27/06	03/25/08	12/08/10	02/27/13	03/04/13
Detected Volatile Organics											
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	4.0 J	2.7	1.3 J	1.4	NA	43	48	20	20 [19]	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	4.9 J	2.0 J	<5.0	0.77 J	NA	<1.0	0.73 J	<5.0	0.96 J [0.95 J]	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	13	6.4	2.8 J	3.4	NA	0.87 J	0.74 J	<5.0	<1.0 [<1.0]	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	44	21	7.7	7.6	NA	3.3 J	4.2 J	3.0 J	4.6 [4.3]	NA
Total BTEX	- -	66 J	32 J	12 J	13 J	NA	47 J	54 J	23 J	26 J [24 J]	NA
Total VOCs	- -	66 J	32 J	12 J	13 J	NA	47 J	54 J	23 J	26 J [24 J]	NA
Detected Semivolatile Organics											
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	6.0 J	5.1 J	3.9 J	NA	NA	0.80 J	<11	<4.3	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<2.0	<11	<4.2	NA	NA	<0.80	<11	<4.3	NA	NA
Acenaphthylene	- -	<2.0	0.78 J	0.58 J	NA	NA	<0.80	<11	<4.3	NA	NA
Anthracene	50	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Benzo(a)anthracene	0.002	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Benzo(a)pyrene	0	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Benzo(b)fluoranthene	0.002	<3.0	<11	<4.2	NA	NA	<2.0	<11	<4.3	NA	NA
Benzo(g,h,i)perylene	- -	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Benzo(k)fluoranthene	0.002	<2.0	<11	<4.2	NA	NA	<0.90	<11	<4.3	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics											
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Dibenzo(a,h)anthracene	- -	<3.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<2.0	<11	0.71 J	NA	NA	<1.0	<11	<4.3	NA	NA
Fluorene	50	<2.0	<11	<4.2	NA	NA	<0.80	<11	<4.3	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	83	50	21	22	NA	2.0 J	0.87 J	0.46 J	7.0 [6.4]	NA
Phenanthrene	50	4.0 J	4.3 J	5.3	NA	NA	<0.70	<11	<4.3	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<2.0	<11	<4.2	NA	NA	<1.0	<11	<4.3	NA	NA
Total PAHs	- -	93 J	60 J	32 J	NA	NA	2.8 J	0.87 J	0.46 J	NA	NA
Total SVOCs	- -	93 J	60 J	32 J	NA	NA	2.8 J	0.87 J	0.46 J	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-26S					MW-26D				
Date Collected:	Values	01/31/06	03/27/08	12/08/10	02/27/13	03/04/13	01/27/06	03/25/08	12/08/10	02/27/13	03/04/13
Detected Pesticides											
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	5.00 B	NA	NA	12.0	NA	13.5	NA	NA	120 [110]	NA
Cyanide, Available	- -	<2	NA	NA	1.4 J	NA	<2	NA	NA	34 [36]	NA
Iron	300	NA	NA	NA	NA	<100	NA	NA	NA	NA	84.3 B
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	3.20 B	NA	NA	NA	NA	54.5 [61.4]	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered											
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous											
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	650	NA	NA	NA	NA	85,300 [79,400]	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	<100	NA	NA	NA	NA	17,200 [17,900]	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	3,600	NA	NA	NA	NA	28,300
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	<200	NA	NA	NA	NA	84 B
Iron, Ferrous	- -	NA	NA	NA	NA	<100	NA	NA	NA	NA	<100
Methane	- -	NA	NA	NA	55.5	NA	NA	NA	NA	987 [1,070]	NA
Nitrate + Nitrite (as N)	- -	<8	NA	NA	550	NA	<1,800	NA	NA	110 [<100]	NA
Nitrate Nitrogen	10,000	NA	NA	NA	400	NA	NA	NA	NA	110 [<110]	NA
Nitrite Nitrogen	1,000	NA	NA	NA	150	NA	NA	NA	NA	4 B [4.6 B]	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	10 B	NA	NA	NA	NA	35 B [17 B]	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	91,600	NA	NA	105,000	NA	1,020,000	NA	NA	642,000 [703,000]	NA
Sulfide	50	NA	NA	NA	<2,000	NA	NA	NA	NA	104,000 [112,000]	NA
TOC Average Quads	- -	NA	NA	NA	3,400	NA	NA	NA	NA	28,500 [30,900]	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-27S					MW-27D				
Date Collected:	Values	01/31/06	03/25/08	12/07/10	02/27/13	03/04/13	02/02/06	03/25/08	12/07/10	02/27/13	03/04/13
Detected Volatile Organics											
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	72	62	67	43	NA	1,500	1,200 [750]	420	630	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	810	680	620	490	NA	120	180 [130]	120	280	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	62	56	57	40	NA	7.1 J	4.8 J [3.3 J]	<20	3.9 J	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	1,100	1,000 J	910	600	NA	<20	<120 J [6.5 J]	<20	9.1	NA
Total BTEX	- -	2,000	1,800 J	1,700	1,200	NA	1,600 J	1,400 J [890 J]	540	930 J	NA
Total VOCs	- -	2,000	1,800 J	1,700	1,200	NA	1,600 J	1,400 J [890 J]	540	930 J	NA
Detected Semivolatile Organics											
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	39 J	41 J	24	NA	NA	1.0 J	<10 [<10]	<4.2	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<20	<220	4.2 J	NA	NA	<0.80	<10 [<10]	<4.2	NA	NA
Acenaphthylene	- -	<19	<220	2.3 J	NA	NA	<0.80	<10 [<10]	<4.2	NA	NA
Anthracene	50	<25	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Benzo(a)anthracene	0.002	<30	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Benzo(a)pyrene	0	<27	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Benzo(b)fluoranthene	0.002	<38	<220	<4.3	NA	NA	<2.0	<10 [<10]	<4.2	NA	NA
Benzo(g,h,i)perylene	- -	<26	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Benzo(k)fluoranthene	0.002	<23	<220	<4.3	NA	NA	<0.90	<10 [<10]	<4.2	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics											
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<24	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Dibenzo(a,h)anthracene	- -	<34	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<27	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Fluorene	50	<19	<220	2.2 J	NA	NA	<0.80	<10 [<10]	<4.2	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<29	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	920	1,000	630 D	1,300	NA	28	4.8 J [5.4 J]	1.5 J	32	NA
Phenanthrene	50	<16	<220	<4.3	NA	NA	<0.70	<10 [<10]	<4.2	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<25	<220	<4.3	NA	NA	<1.0	<10 [<10]	<4.2	NA	NA
Total PAHs	- -	960 J	1,000 J	NA	NA	NA	29 J	4.8 J [5.4 J]	1.5 J	NA	NA
Total SVOCs	- -	960 J	1,000 J	NA	NA	NA	29 J	4.8 J [5.4 J]	1.5 J	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-27S					MW-27D				
Date Collected:	Values	01/31/06	03/25/08	12/07/10	02/27/13	03/04/13	02/02/06	03/25/08	12/07/10	02/27/13	03/04/13
Detected Pesticides											
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	18.6	NA	NA	190	NA	19.0	NA	NA	230	NA
Cyanide, Available	- -	<2	NA	NA	24	NA	<2	NA	NA	58	NA
Iron	300	NA	NA	NA	NA	52.2 B	NA	NA	NA	NA	79.4 B
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	12.4 B	NA	NA	NA	NA	65.0	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered											
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous											
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	4,300	NA	NA	NA	NA	60,000	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	119	NA	NA	NA	NA	32,500	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	16,400	NA	NA	NA	NA	31,200
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	<200	NA	NA	NA	NA	<200
Iron, Ferrous	- -	NA	NA	NA	NA	87 B	NA	NA	NA	NA	69 B
Methane	- -	NA	NA	NA	913	NA	NA	NA	NA	1,780	NA
Nitrate + Nitrite (as N)	- -	<8	NA	NA	420	NA	<4,000	NA	NA	280	NA
Nitrate Nitrogen	10,000	NA	NA	NA	420	NA	NA	NA	NA	280	NA
Nitrite Nitrogen	1,000	NA	NA	NA	<10	NA	NA	NA	NA	<10	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	67 B	NA	NA	NA	NA	51 B	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	124,000	NA	NA	87,800	NA	758,000	NA	NA	794,000	NA
Sulfide	50	NA	NA	NA	26,000	NA	NA	NA	NA	60,000	NA
TOC Average Quads	- -	NA	NA	NA	17,200	NA	NA	NA	NA	37,000	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-28S					MW-28D				
Date Collected:	Values	01/31/06	03/25/08	12/07/10	02/27/13	03/04/13	02/03/06	03/25/08	12/07/10	02/27/13	03/04/13
Detected Volatile Organics											
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	23	26	46	34	NA	610	97 J	200	850	NA
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	6.2	6.9	10	13	NA	<5.0	<10	<10	<5.0	NA
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	24	21	16	19	NA	2.1 J	0.67 J	<10	<5.0	NA
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	23	18 J	19	31	NA	5.8 J	<10 J	<10	<5.0	NA
Total BTEX	- -	76	72 J	91	96	NA	620 J	98 J	200	850	NA
Total VOCs	- -	76	72 J	91	96	NA	620 J	98 J	200	850	NA
Detected Semivolatile Organics											
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	3.0 J	1.9 J	1.3 J	NA	NA	<0.60	1.4 J	<8.4	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	0.38 J	0.37 J	NA	NA	<0.80	<10	<8.4	NA	NA
Acenaphthylene	- -	<0.80	0.36 J	<4.2	NA	NA	<0.80	<10	<8.4	NA	NA
Anthracene	50	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Benzo(a)anthracene	0.002	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Benzo(a)pyrene	0	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Benzo(b)fluoranthene	0.002	<2.0	<10	<4.2	NA	NA	<2.0	<10	<8.4	NA	NA
Benzo(g,h,i)perylene	- -	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Benzo(k)fluoranthene	0.002	<0.90	<10	<4.2	NA	NA	<0.90	<10	<8.4	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics											
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Dibenzo(a,h)anthracene	- -	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Fluorene	50	1.0 J	0.70 J	0.63 J	NA	NA	<0.80	<10	<8.4	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	26	15	14	32	NA	0.70 J	<10	<8.4	<25	NA
Phenanthrene	50	<0.70	0.35 J	0.35 J	NA	NA	<0.70	<10	<8.4	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<10	<4.2	NA	NA	<1.0	<10	<8.4	NA	NA
Total PAHs	- -	30 J	19 J	17 J	NA	NA	0.70 J	1.4 J	<8.4	NA	NA
Total SVOCs	- -	30 J	19 J	17 J	NA	NA	0.70 J	1.4 J	<8.4	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-28S					MW-28D				
Date Collected:	Values	01/31/06	03/25/08	12/07/10	02/27/13	03/04/13	02/03/06	03/25/08	12/07/10	02/27/13	03/04/13
Detected Pesticides											
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	81.7	NA	NA	170	NA	8.50 B	NA	NA	77.0	NA
Cyanide, Available	- -	<2	NA	NA	5.4	NA	4	NA	NA	110	NA
Iron	300	NA	NA	NA	NA	56.8 B	NA	NA	NA	128	65.4 B
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	2.50 B	NA	NA	NA	NA	147	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered											
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous											
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	1,900	NA	NA	NA	NA	187,000	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	<100	NA	NA	NA	NA	49,000	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	7,000	NA	NA	NA	NA	77,100
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	<200	NA	NA	NA	NA	<200
Iron, Ferrous	- -	NA	NA	NA	NA	34 B	NA	NA	NA	NA	96 B
Methane	- -	NA	NA	NA	340	NA	NA	NA	NA	1,450	NA
Nitrate + Nitrite (as N)	- -	<8	NA	NA	59 B	NA	<4,000	NA	NA	230	NA
Nitrate Nitrogen	10,000	NA	NA	NA	59 B	NA	NA	NA	NA	230	NA
Nitrite Nitrogen	1,000	NA	NA	NA	<10	NA	NA	NA	NA	<10	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	55 B	NA	NA	NA	NA	36 B	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	277,000	NA	NA	116,000	NA	219,000	NA	NA	30,500	NA
Sulfide	50	NA	NA	NA	4,600	NA	NA	NA	NA	176,000	NA
TOC Average Quads	- -	NA	NA	NA	7,900	NA	NA	NA	NA	99,400	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-30S				MW-30D			
Date Collected:	Values	02/06/06	05/11/06	08/16/06	11/16/06	02/08/06	05/12/06	08/17/06	11/17/06
Detected Volatile Organics									
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	<0.40	<0.40	<0.40	<0.40	5.3	1.3 J [1.3 J]	1.4 J	1.6 J
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0	15	4.1 J [4.2 J]	3.6 J	3.4 J
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	<0.30	<0.30	<0.30	<0.30	10	0.69 J [0.66 J]	0.61 J	0.57 J
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	2.2 J	<1.0	<1.0	<1.0	74	48 [47]	29	26
Total BTEX	- -	2.2 J	<1.0	<1.0	<1.0	100	54 J [53 J]	35 J	32 J
Total VOCs	- -	2.2 J	<1.0	<1.0	<1.0	100	54 J [53 J]	35 J	32 J
Detected Semivolatile Organics									
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.60	<0.60	<0.70	<0.80	41 J	64 J [66 J]	58 J	82 J
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	<0.80	<0.80	<1.0	<8.0	<8.0 [<8.0]	<8.0	<9.0
Acenaphthylene	- -	<0.80	<0.80	<0.80	<1.0	15 J	26 J [27 J]	13 J	31 J
Anthracene	50	<1.0	<1.0	<1.0	<1.0	<10	<10 [<10]	<10	<11
Benzo(a)anthracene	0.002	<1.0	<1.0	<1.0	<1.0	<12	<12 [<12]	<12	<8.0
Benzo(a)pyrene	0	<1.0	<1.0	<1.0	<0.60	<11	<11 [<11]	<11	<5.0
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<2.0	<1.0	<15	<15 [<15]	<15	<10
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<1.0	<0.40	<10	<10 [<10]	<10	<3.0 J
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<0.90	<1.0	<9.0	<9.0 [<9.0]	<9.0	<10
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics									
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<1.0	<1.0	<10	<10 [<10]	<10	<13
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<1.0	<0.30	<13	<13 [<13]	<13	<3.0 J
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<1.0	<1.0	<1.0	<11	<11 [<11]	<11	<10
Fluorene	50	<0.80	<0.80	<0.80	<0.90	<8.0	27 J [25 J]	13 J	26 J
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<1.0	<0.40	<12	<12 [<12]	<12	<3.0 J
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	<0.70	<0.70	<0.70	<0.60	370	670 [690]	440	500
Phenanthrene	50	<0.70	<0.70	<0.70	<0.90	<7.0	31 J [37 J]	18 J	37 J
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<1.0	<1.0	<10	<10 [<10]	<10	<11
Total PAHs	- -	<2.0	<2.0	<2.0	<1.0	430 J	820 J [850 J]	540 J	680 J
Total SVOCs	- -	<2.0	<2.0	<2.0	<1.0	430 J	820 J [850 J]	540 J	680 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-30S				MW-30D			
Date Collected:	Values	02/06/06	05/11/06	08/16/06	11/16/06	02/08/06	05/12/06	08/17/06	11/17/06
Detected Pesticides									
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics									
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	225	174	196	131 J	59.8	87.4 [74.7]	5.60 B	135 J
Cyanide, Available	- -	5	NA	NA	NA	<2	NA	NA	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered									
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous									
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	<40	NA	NA	NA	<40	NA	NA	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	344,000	NA	NA	NA	179,000	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-31S				MW-31D					
Date Collected:	Values	02/07/06	05/11/06	08/15/06	11/17/06	02/08/06	05/12/06	08/16/06	11/16/06	03/26/08	12/10/10
Detected Volatile Organics											
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	<0.40	<0.40	<0.40	<0.40	6.2 J [<4.0]	4.2 J	4.2 J [<0.40]	4.0 J	NA	4.2 J
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0	61 [47 J]	43	37 [<1.0]	35	NA	21
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	<0.30	<0.30	<0.30	<0.30	85 [90]	44	16 [<0.30]	16	NA	28
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	<1.0	1.3 J	<1.0	1.2 J	840 [920]	600	440 [<1.0]	410	NA	270
Total BTEX	- -	<1.0	1.3 J	<1.0	1.2 J	990 J [1,100 J]	690 J	500 J [<1.0]	470 J	NA	320 J
Total VOCs	- -	<1.0	1.3 J	<1.0	1.2 J	990 J [1,100 J]	690 J	500 J [<1.0]	470 J	NA	320 J
Detected Semivolatile Organics											
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.60	0.80 J	<0.60	<0.70	860 J [550 J]	760 J	990 J [<0.70]	1,100 J	NA	720 DJ
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	3.0 J	<0.80	2.0 J	<200 [<200]	<160	<160 [<0.80]	<160 J	NA	20 J
Acenaphthylene	- -	<0.80	3.0 J	<0.80	2.0 J	400 J [360 J]	440 J	570 J [<0.80]	540 J	NA	400
Anthracene	50	<1.0	<1.0	<1.0	<1.0	<250 [<250]	<200	<200 [<1.0]	<200 J	NA	6.9 J
Benzo(a)anthracene	0.002	<1.0	<1.0	<1.0	<0.80	<300 [<300]	<240	<240 [<1.0]	<150 J	NA	<43
Benzo(a)pyrene	0	<1.0	<1.0	<1.0	<0.50	<270 [<270]	<220	<220 [<1.0]	<100 J	NA	<43
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<2.0	<1.0	<380 [<380]	<310	<310 [<2.0]	<190 J	NA	<43
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<1.0	<0.30	<260 [<260]	<210	<210 [<1.0]	<64 J	NA	<43
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<0.90	<1.0	<230 [<230]	<180	<180 [<1.0]	<190 J	NA	<43
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics											
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<1.0	<1.0	<240 [<240]	<190	<190 [<1.0]	<230 J	NA	<43
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<1.0	<0.30	<340 [<340]	<270	<270 [<1.0]	<48 J	NA	<43
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<1.0	<1.0	<1.0	<270 [<270]	<220	<220 [<1.0]	<180 J	NA	<43
Fluorene	50	<0.80	3.0 J	<0.80	2.0 J	<190 [<190]	<150	<150 [<0.80]	<140 J	NA	72
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<1.0	<0.30	<290 [<290]	<230	<230 [<1.0]	<64 J	NA	<43
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	2.0 J	6.0 J	<0.70	4.0 J	9,400 [9,700]	9,500	15,000 [<0.70]	13,000 J	NA	9,000 D
Phenanthrene	50	<0.70	0.80 J	<0.70	<0.80	<160 [<160]	<130	<130 [<0.70]	<140 J	NA	39 J
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<1.0	<1.0	<250 [<250]	<200	<200 [<1.0]	<190 J	NA	<43
Total PAHs	- -	2.0 J	17 J	<2.0	10 J	11,000 J [11,000 J]	11,000 J	17,000 J [<2.0]	15,000 J	NA	10,000 J
Total SVOCs	- -	2.0 J	17 J	<2.0	10 J	11,000 J [11,000 J]	11,000 J	17,000 J [<2.0]	15,000 J	NA	10,000 J

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-31S				MW-31D					
Date Collected:	Values	02/07/06	05/11/06	08/15/06	11/17/06	02/08/06	05/12/06	08/16/06	11/16/06	03/26/08	12/10/10
Detected Pesticides											
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics											
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	552	1,040	483	1,030 J	1,470 [1,200]	1,200	411 [187]	496 J	550	199
Cyanide, Available	- -	<2	NA	NA	NA	2	NA	NA	NA	5.30	NA
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered											
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous											
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2 [<2]
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	3,320	NA	NA	NA	<8 [<8]	NA	NA	NA	NA	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	713,000	NA	NA	NA	340,000 [344,000]	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-32S						
Date Collected:	Values	01/30/06	05/10/06	08/16/06	11/15/06	03/27/08	12/09/10	02/26/13
Detected Volatile Organics								
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA
Benzene	1	<0.40	<0.40	<0.40	<0.40 [<0.40]	<1.0	1.3 J	<0.50
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0 [<1.0]	<5.0	<5.0	<1.0
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA
Toluene	5	<0.30	<0.30	<0.30	<0.30 [<0.30]	<5.0	<5.0	<1.0
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	<1.0	<1.0	<1.0	<1.0 [<1.0]	<5.0	<5.0	<1.0
Total BTEX	- -	<1.0	<1.0	<1.0	<1.0 [<1.0]	<5.0	1.3 J	<1.0
Total VOCs	- -	<1.0	<1.0	<1.0	<1.0 [<1.0]	<5.0	1.3 J	<1.0
Detected Semivolatile Organics								
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.60	<0.60	<0.70	<0.70 [<0.70]	0.71 J	0.42 J	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	<0.80	<0.80	<0.90 [<0.90]	<11	<4.2	NA
Acenaphthylene	- -	<0.80	<0.80	<0.80	<0.80 [<0.80]	<11	<4.2	NA
Anthracene	50	<1.0	<1.0	<1.0	<1.0 [<1.0]	<11	<4.2	NA
Benzo(a)anthracene	0.002	<1.0	<1.0	<1.0	<0.80 [<0.80]	<11	<4.2	NA
Benzo(a)pyrene	0	<1.0	<1.0	<1.0	<0.50 [<0.50]	<11	<4.2	NA
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<2.0	<1.0 [<1.0]	<11	<4.2	NA
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<1.0	<0.30 [<0.30]	<11	<4.2	NA
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<0.90	<1.0 [<1.0]	<11	<4.2	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics								
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<1.0	<1.0 [<1.0]	<11	<4.2	NA
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<1.0	<0.30 [<0.30]	<11	<4.2	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<1.0	<1.0	<1.0 [<1.0]	<11	<4.2	NA
Fluorene	50	<0.80	<0.80	<0.80	<0.80 [<0.80]	<11	0.38 J	NA
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<1.0	<0.30 J [<0.30 J]	<11	<4.2	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	<0.70	<0.70	<0.70	<0.50 [<0.50]	0.77 J	5.8	6.3
Phenanthrene	50	1.0 J	<0.70	<0.70	<0.80 [<0.80]	0.89 J	0.31 J	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<1.0	<1.0 [<1.0]	<11	<4.2	NA
Total PAHs	- -	1.0 J	<2.0	<2.0	<1.0 [<1.0]	2.4 J	6.9 J	NA
Total SVOCs	- -	1.0 J	<2.0	<2.0	<1.0 [<1.0]	2.4 J	6.9 J	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-32S						
Date Collected:	Values	01/30/06	05/10/06	08/16/06	11/15/06	03/27/08	12/09/10	02/26/13
Detected Pesticides								
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics								
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics								
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	245	114	194	239 J [253 J]	NA	NA	450
Cyanide, Available	- -	<2	NA	NA	NA	NA	NA	11
Iron	300	NA	NA	NA	NA	NA	NA	605
Lead	25	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	124
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered								
Iron	300	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous								
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	1,600
BOD	- -	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	<100
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	NA	NA	NA	NA	<10
Nitrate + Nitrite (as N)	- -	<8	NA	NA	NA	NA	NA	150
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	110
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	43
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	21 B
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	366,000	NA	NA	NA	NA	NA	744,000
Sulfide	50	NA	NA	NA	NA	NA	NA	1,400 B
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	14,900
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-32D								MW-33S	MW-33D	MW-36S	MW-36D
Date Collected:	Values	01/26/06	05/11/06	08/15/06	08/22/06	11/14/06	03/27/08	12/09/10	02/26/13	02/01/06	01/25/06	02/28/13	02/28/13
Detected Volatile Organics													
1,1,1-Trichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	1,100	1,200	910	1,300	540	970 [960]	1,000	610	<0.00040	0.64 J	0.93	22
Bromodichloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	<20	<10	<5.0	<10	<5.0	6.1 J [4.0 J]	9.9 J	7.7	<0.0010	<1.0 H	1.4	150
Methylene Chloride	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	310	68	68	140	7.9 J	66 [65]	110	59	<0.00030	0.52 J	<1.0	340
Trichloroethene	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	5	50 J	67	60	140	16 J	74 [69]	120	68	<0.0010	1.2 J	0.70 J	1,500
Total BTEX	- -	1,500 J	1,300	1,000	1,600	560 J	1,100 J [1,100 J]	1,200 J	740	<0.0010	2.4 J	3.0 J	2,100
Total VOCs	- -	1,500 J	1,300	1,000	1,600	560 J	1,100 J [1,100 J]	1,200 J	740	<0.0010	2.4 J	3.0 J	2,100
Detected Semivolatile Organics													
2,4-Dimethylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	- -	<0.60	<0.60	<6.0	<0.70	<0.60	<10 [<10]	<4.0	NA	<0.00060	<0.60	NA	NA
2-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	<0.80	<0.80	<8.0	<0.80	<0.80	<10 [<10]	<4.0	NA	<0.00080	<0.80	NA	NA
Acenaphthylene	- -	<0.80	<0.80	<8.0	<0.80	<0.80	<10 [<10]	<4.0	NA	<0.00080	<0.80	NA	NA
Anthracene	50	<1.0	<1.0	<10	<1.0	<1.0	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Benzo(a)anthracene	0.002	<1.0	<1.0	<12	<1.0	<0.80	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Benzo(a)pyrene	0	<1.0	<1.0	<11	<1.0	<0.50	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Benzo(b)fluoranthene	0.002	<2.0	<2.0	<15	<2.0	<1.0	<10 [<10]	<4.0	NA	<0.0020	<2.0	NA	NA
Benzo(g,h,i)perylene	- -	<1.0	<1.0	<10	<1.0	<0.30	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Benzo(k)fluoranthene	0.002	<0.90	<0.90	<9.0	<0.90	<0.90	<10 [<10]	<4.0	NA	<0.00090	<0.90	NA	NA
bis(2-Ethylhexyl)phthalate	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Semivolatile Organics													
Carbazole	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	<1.0	<1.0	<10	<1.0	<1.0	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Dibenzo(a,h)anthracene	- -	<1.0	<1.0	<13	<1.0	<0.20 J	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Dibenzofuran	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	<1.0	<1.0	<11	<1.0	<0.90	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Fluorene	50	<0.80	<0.80	<8.0	<0.80	<0.70	<10 [<10]	<4.0	NA	<0.00080	<0.80	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	<1.0	<1.0	<12	<1.0	<0.30	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Isophorone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	<0.70	4.0 J	<7.0	7.0 J	2.0 J	2.5 J [2.8 J]	<4.0	12	<0.00070	<0.70	4.7 J	8,700
Phenanthrene	50	<0.70	<0.70	<7.0	<0.70	<0.70	<10 [<10]	<4.0	NA	<0.00070	<0.70	NA	NA
Phenol	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	<1.0	<1.0	<10	<1.0	<1.0	<10 [<10]	<4.0	NA	<0.0010	<1.0	NA	NA
Total PAHs	- -	<2.0	4.0 J	<15	7.0 J	2.0 J	2.5 J [2.8 J]	<4.0	NA	<0.0020	<2.0	NA	NA
Total SVOCs	- -	<2.0	4.0 J	<15	7.0 J	2.0 J	2.5 J [2.8 J]	<4.0	NA	<0.0020	<2.0	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance	MW-32D								MW-33S	MW-33D	MW-36S	MW-36D
Date Collected:	Values	01/26/06	05/11/06	08/15/06	08/22/06	11/14/06	03/27/08	12/09/10	02/26/13	02/01/06	01/25/06	02/28/13	02/28/13
Detected Pesticides													
4,4'-DDD	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	0.004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics													
Aluminum	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics													
Cobalt	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	200	87.9	59.7	63.0	5.80 B	2.00 BJ	NA	NA	640	0.225	152	260	2,000
Cyanide, Available	- -	7	NA	NA	NA	NA	NA	NA	7.6	0.00800	3	5.8	37
Iron	300	NA	NA	NA	NA	NA	NA	NA	759	NA	NA	19,500	516
Lead	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	27.8	NA	NA	1,270	<15.0
Mercury	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics-Filtered													
Iron	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous													
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	89,000	NA	NA	950	8,200
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	NA	767	NA	NA	21,000	<100
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53,300	23,500
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,900	470
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,600	45 B
Methane	- -	NA	NA	NA	NA	NA	NA	NA	4,850	NA	NA	8.2 JB	259
Nitrate + Nitrite (as N)	- -	<80	NA	NA	NA	NA	NA	NA	430	1.95	<2,000	550	1,800
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	NA	430	NA	NA	540	1,000
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	NA	4 B	NA	NA	7.6 B	750
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	96 B	NA	NA	99 B	61 B
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	53,500	NA	NA	NA	NA	NA	NA	1,700 B	76.5	207,000	394,000	379,000
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	2,700	NA	NA	740 B	60,000
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	22,500	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	TMW-10DR	TMW-10D2	TMW-10D3	TMW-16S	TMW-16D	TMW-17S	TMW-17D1	TMW-17D2	TMW-18D1	TMW-18D2	TMW-19D1	TMW-19D2
Date Collected:		**05/31/01**	**05/31/01**	**05/31/01**	**10/31/00**	**10/31/00**	**06/04/01**	**06/04/01**	**06/04/01**	**06/01/01**	**06/01/01**	**06/01/01**	**05/30/01**
Detected Volatile Organics													
1,1,1-Trichloroethane	5	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
1,1,2,2-Tetrachloroethane	5	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
1,1,2-Trichloroethane	1	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
1,1-Dichloroethane	5	0.015	0.0040	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
2-Butanone	- -	<0.10	<0.10	<0.010	<0.010	0.0090 J	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
2-Hexanone	50	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
4-Methyl-2-pentanone	- -	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Acetone	50	0.061	0.14	0.0070	<0.010	0.079	0.011	0.010	0.10	0.014	0.15	0.019	0.0040
Benzene	1	0.95	1.3	0.0090	<0.010	0.20	0.00080	0.011	0.68	0.0080	1.9	0.071	0.0060
Bromodichloromethane	50	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Bromoform	50	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Bromomethane	5	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Carbon Disulfide	- -	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	0.00050	<0.050	0.00030	<0.20	<0.040	<0.010
Chlorobenzene	5	<0.10	0.0020	0.00020	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Chloroform	7	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Chloromethane	- -	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Dibromochloromethane	50	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Ethylbenzene	5	0.19	0.12	0.0020	<0.010	0.0040 J	0.00030	0.0020	0.019	0.0030	0.0090	0.21	0.0010
Methylene Chloride	5	0.053	0.016	0.0030	0.00050 J	0.017 J	0.00070	0.00040	0.023	0.0030	0.081	0.061	0.0030
Styrene	5	0.69	0.44	0.0060	<0.010	<0.020	<0.010	0.0030	<0.050	0.0020	<0.20	0.014	<0.010
Tetrachloroethene	5	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Toluene	5	1.9	1.8	0.015	<0.010	0.11	0.00070	0.019	0.75	0.013	0.057	0.37	0.0020
Trichloroethene	5	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	0.00030
Vinyl Chloride	2	<0.10	<0.10	<0.010	<0.010	<0.020	<0.010	<0.010	<0.050	<0.010	<0.20	<0.040	<0.010
Xylenes (total)	5	2.6	1.8	0.033	<0.010	0.055	0.0010	0.023	0.29	0.025	0.17	1.3	0.0050
Total BTEX	- -	5.6	5.0	0.059	<0.010	0.37 J	0.0028	0.055	1.7	0.049	2.1	2.0	0.014
Total VOCs	- -	6.5	5.6	0.075	0.00050 J	0.47 J	0.015	0.069	1.9	0.068	2.4	2.1	0.021
Detected Semivolatile Organics													
2,4-Dimethylphenol	50	0.55	1.2	0.0040	<0.011	0.72	0.0060	0.0070	0.36	0.032	1.0	<0.11	<0.011
2,4-Dinitrophenol	10	<5.3	<2.7	<0.11	<0.026	<0.50	<0.025	<0.25	<0.50	<0.040	<0.50	<0.26	<0.026
2-Chloronaphthalene	10	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
2-Methylnaphthalene	- -	0.90	0.14	0.020	<0.011	0.0060 J	0.0040	0.025	<0.20	0.030	<0.20	0.14	<0.011
2-Methylphenol	- -	<2.1	<1.1	<0.043	<0.011	0.51	0.0050	0.0090	0.58	0.011	0.10	<0.11	<0.011
2-Nitrophenol	- -	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
3,3'-Dichlorobenzidine	5	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
4-Methylphenol	- -	0.56	0.83	0.0030	<0.011	0.77	0.015	0.015	0.80	0.019	0.046	0.0080	<0.011
4-Nitroaniline	5	<5.3	<2.7	<0.11	<0.026	<0.50	<0.025	<0.25	<0.50	<0.040	<0.50	<0.26	<0.026
Acenaphthene	20	<2.1	<1.1	0.0010	<0.011	<0.20	0.0050	<0.10	<0.20	0.0020	<0.20	0.0040	<0.011
Acenaphthylene	- -	0.45	0.078	0.0090	<0.011	0.0020 J	0.0080	0.0080	<0.20	0.010	<0.20	0.027	<0.011
Anthracene	50	<2.1	<1.1	0.00070	<0.011	<0.20	0.0070	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Benzo(a)anthracene	0.002	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Benzo(a)pyrene	0	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Benzo(b)fluoranthene	0.002	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Benzo(g,h,i)perylene	- -	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Benzo(k)fluoranthene	0.002	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
bis(2-Ethylhexyl)phthalate	5	<2.1	<1.1	0.0020	0.0020 J	<0.20	0.0010	<0.10	<0.20	0.0010	<0.20	<0.11	0.00070
Butylbenzylphthalate	50	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Detected Semivolatile Organics													
Carbazole	- -	0.38	0.047	0.0070	<0.011	0.0090 J	0.016	0.025	<0.20	0.027	<0.20	0.075	<0.011
Chrysene	0.002	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Dibenzo(a,h)anthracene	- -	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Dibenzofuran	- -	0.11	<1.1	0.0040	<0.011	<0.20	0.0060	0.0040	<0.20	0.0020	<0.20	0.012	<0.011
Diethylphthalate	50	<2.1	<1.1	0.0040	<0.011	<0.20	0.00020	<0.10	<0.20	<0.10	<0.20	<0.11	0.00030
Dimethylphthalate	50	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Di-n-Butylphthalate	50	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Di-n-Octylphthalate	50	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Fluoranthene	50	<2.1	<1.1	<0.043	<0.011	<0.20	0.0010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Fluorene	50	0.092	<1.1	0.0040	<0.011	<0.20	0.0060	0.0040	<0.20	0.0020	<0.20	0.0060	<0.011
Indeno(1,2,3-cd)pyrene	0.002	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Isophorone	50	<2.1	<1.1	<0.043	<0.011	<0.20	<0.010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Naphthalene	10	11	6.3	0.19	0.00020 J	0.16 J	0.016	0.70	0.0080	0.31	0.0070	0.75	<0.011
Phenanthrene	50	0.064	<1.1	0.0040	<0.011	<0.20	0.0070	0.0040	<0.20	0.0010	<0.20	<0.11	<0.011
Phenol	1	0.35	0.37	<0.043	0.00030 J	0.54	0.018	0.080	1.1	0.019	<0.20	0.073	<0.011
Pyrene	50	<2.1	<1.1	<0.043	0.00030 J	<0.20	0.0010	<0.10	<0.20	<0.10	<0.20	<0.11	<0.011
Total PAHs	- -	13	6.5	0.23	0.00050 J	0.17 J	0.055	0.74	0.0080	0.36	0.0070	0.93	<0.011
Total SVOCs	- -	15	9.0	0.25	0.0028 J	2.7 J	0.12	0.88	2.9	0.47	1.2	1.1	0.0010

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location ID:	NYSDEC TOGS 1.1.1 Water Guidance Values	TMW-10DR	TMW-10D2	TMW-10D3	TMW-16S	TMW-16D	TMW-17S	TMW-17D1	TMW-17D2	TMW-18D1	TMW-18D2	TMW-19D1	TMW-19D2
Date Collected:		05/31/01	05/31/01	05/31/01	10/31/00	10/31/00	06/04/01	06/04/01	06/04/01	06/01/01	06/01/01	06/01/01	05/30/01
Detected Pesticides													
4,4'-DDD	0.3	0.000020	<0.00010	<0.00010	0.000020 J	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
4,4'-DDE	0.2	<0.00010	<0.00010	<0.00010	0.000056 J	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0000046	<0.00010
4,4'-DDT	0.2	0.000016	<0.00010	<0.00010	0.00046	0.000054 J	<0.00010	0.0000080	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Aldrin	0	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Alpha-BHC	0.01	0.000092	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Alpha-Chlordane	0.05	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Beta-BHC	- -	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000014	<0.000050	<0.000050
Delta-BHC	- -	<0.000050	0.000012	<0.000050	0.000012 J	0.000021 J	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Dieldrin	0.004	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Endosulfan I	- -	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.0000040	<0.000050	<0.000050	<0.000050	<0.000050
Endosulfan II	- -	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Endosulfan Sulfate	- -	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0000030	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Endrin	0	0.000064	<0.00010	<0.00010	<0.00010	0.000037 J	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Endrin Aldehyde	5	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Gamma-BHC (Lindane)	0.05	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.0000050	<0.000050	<0.000050	0.000010	<0.000050	<0.000050
Gamma-Chlordane	0.05	0.000085	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Heptachlor	0.04	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Heptachlor Epoxide	0.03	0.000053	0.000016	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Methoxychlor	35	<0.00050	0.000062	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Detected Inorganics													
Aluminum	- -	0.296	0.221	<0.410	0.104	0.363	<0.0205	0.295	<0.370	0.654	0.137	0.200	<0.0205
Antimony	3	<0.00440	<0.00440	<0.0880	<0.00500	<0.00500	<0.00440	<0.00440	<0.0900	<0.00440	<0.00440	<0.00440	<0.00440
Arsenic	25	<0.00420	0.00560	<0.0840	<0.00250	<0.00250	<0.00420	<0.00420	<0.0820	<0.00420	0.00470	<0.00420	<0.00420
Barium	1,000	0.00980	0.847	0.339	0.0412	0.0209	0.0259	0.0141	0.369	0.0196	2.54	0.0350	0.187
Beryllium	- -	<0.000500	<0.000500	<0.0100	<0.000500	<0.000500	<0.000500	<0.000500	<0.0100	<0.000500	<0.000500	<0.000500	<0.000500
Cadmium	5	<0.000900	<0.000900	<0.0180	<0.000500	<0.000500	<0.000900	<0.000900	<0.0160	<0.000900	<0.000900	<0.000900	<0.000900
Calcium	- -	107	85.1	1,450	219	113	209	113	776	187	108	267	81.9
Chromium	50	<0.000800	0.00100	0.0180	0.0199	<0.00100	<0.000800	0.00160	<0.0200	0.00100	<0.000800	<0.000800	<0.000800
Detected Inorganics													
Cobalt	- -	<0.00160	<0.00160	<0.0320	<0.00100	<0.00100	<0.00160	<0.00160	<0.0280	<0.00160	<0.00160	<0.00160	<0.00160
Copper	200	<0.00160	0.00420	0.0463	0.00290	0.00560	<0.00160	<0.00160	<0.0360	0.00430	0.00170	<0.00160	<0.00160
Cyanide	200	<0.0100	<0.0100	<0.0100	0.0994	<0.0100	0.107	<0.0100	0.0618	0.561	0.0910	0.173	0.112
Cyanide, Available	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	0.152	0.960	11.2	0.0232	0.138	0.0666	0.284	9.40	0.660	1.35	0.164	0.133
Lead	25	<0.00200	<0.00200	<0.0400	<0.00200	<0.00200	<0.00200	<0.00200	<0.0520	<0.00200	<0.00200	<0.00200	<0.00200
Magnesium	- -	0.0852	8.01	361	0.0230	0.133	2.61	0.192	112	0.817	15.1	0.0470	18.3
Manganese	300	0.00200	0.0232	0.422	<0.00100	0.00680	0.00140	0.00840	0.302	0.0125	0.0697	<0.00100	0.0698
Mercury	0.7	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.00120	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100
Nickel	100	0.00270	0.00460	<0.0260	0.00160	0.00290	0.00260	0.00300	<0.0300	0.00290	0.00190	0.00360	0.00200
Potassium	- -	17.7	40.3	542	8.76	19.9	14.1	12.6	148	6.64	63.7	20.6	34.7
Selenium	10	<0.00490	<0.00490	<0.0980	0.00590	0.00840	<0.00490	<0.00490	<0.0920	<0.0100	<0.00490	<0.00490	<0.00490
Silver	50	<0.00100	<0.00100	<0.0200	<0.00100	<0.00100	<0.00100	<0.00100	<0.0200	<0.00100	<0.00100	<0.00100	<0.00100
Sodium	- -	59.4	444	10,800	19.6	84.6	56.4	47.6	14,100	42.6	2,670	123	452
Thallium	- -	<0.00910	<0.00910	<0.182	<0.00600	<0.00600	<0.00910	<0.00910	<0.184	<0.00910	<0.455	<0.0150	<0.00910
Vanadium	- -	0.00480	0.0132	<0.0200	0.00400	0.00220	0.00240	0.00240	<0.0180	0.00640	0.00380	0.00240	<0.00100
Zinc	2,000	<0.00500	0.00620	<0.100	0.00680	0.0109	<0.00500	<0.00500	0.106	<0.00500	0.00680	<0.00500	<0.00500
Detected Inorganics-Filtered													
Iron	300	NA	NA	NA	<0.100	<0.100	NA	NA	NA	NA	NA	NA	NA
Manganese	300	NA	NA	NA	<0.0100	<0.0100	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous													
Alkalinity, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Available Cyanide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BOD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide by Headspace	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon monoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate, CaCO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness, Ca/CO3	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferric	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Ferrous	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate + Nitrite (as N)	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate Nitrogen	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite Nitrogen	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC Average Quads	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	1,000,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Notes:

1. Samples were collected by ARCADIS on the dates indicated.
2. VOCs = Target Compound List (TCL) Volatile Organic Compounds.
3. BTEX = Benzene, toluene, ethylbenzene and xylenes.
4. SVOCs = TCL Semi-Volatile Organic Compounds.
5. PAHs = Polynuclear aromatic hydrocarbons.
6. Inorganics = Target Analyte List (TAL) Metals and Cyanide.
7. Samples were analyzed by TestAmerica Laboratories, Inc. (TestAmerica) located in Shelton, Connecticut for:
   - VOCs/BTEX using United States Environmental Protection Agency (USEPA) SW-846 Method 8260.
   - SVOCs/PAHs using USEPA SW-846 Method 8270.
   - Inorganics using USEPA SW-846 Methods 6010, 7471, 9012 and 335.4.
   - Pesticides by USEPA Method 8080.
   - Sulfate (SO_4) using Method 9036.
   - Sulfide using USEPA Method 9031.
   - Nitrite (NO_2) and nitrate (NO_3) using USEPA Method 9200.
   - Biochemical oxygen demand (BOD) using USEPA Method 405.1.
   - Chemical oxygen demand (COD) using USEPA Method 410.1.
   - Carbon dioxide , carbon monoxide, methane and oxygen using AM-15.01.
   - Chloride using USEPA Method 9250.
   - Dissolved organic carbon (DOC) average quads using USEPA Method 9060.
   - Total organic carbon (TOC) using USEPA Method 9060.
8. Samples were analyzed by Exygen Research (Exygen) located in State College, Pennsylvania for:
   - Cyanide (available) using USEPA OIA 1677.
9. Only those constituents detected in one or more samples are summarized.
10. Concentrations reported in parts per billion (ppb), which is equivalent to micrograms per liter (ug/L).
11. Field duplicate sample results are presented in brackets.
12. Data qualifiers are defined as follows:
    < - Constituent not detected at a concentration above the reported detection limit.
    > - Indicates the result was greater than the reported result.
    B (Inorganic) - Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL).
    B (Organic) - Compound was found in blank.
    D - Compound quantitated using a secondary dilution. Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis.
    E (Inorganic) - Serial dilution exceeds the control limits.
    E (Organic) - Result exceeded calibration range; a secondary dilution required.
    H - Alternate peak selection upon analytical review.
    J - Indicates that the associated numerical value is an estimated concentration.
    M - Manually integrated compound.
13. NYSDEC groundwater standards/guidance values are from the NYSDEC Division of Water, Technical and Operational Guidance Series (TOGS) document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1) dated June 1998, revised April 2000 and June 2004.
14. Shading designates values that exceed the NYSDEC groundwater quality standards/guidance values.
15. - - = No TOGS 1.1.1 Water Quality Standard/Guidance Value listed.
16. NA = Not Analyzed.
17. Results have been validated in accordance with USEPA National Functional Guidelines of October 1999 and July 2002.

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

	6 NYCRR Part 375 SCOs		Imported Topsoil (Gerber Topsoil)			Onsite Re-Use Topsoil (from within ISS Limits)	
Location ID:	Protection of Groundwater	Restricted-Commercial	GERBER TS 1	GERBER TS 2	GERBER TS 3	NTS-1C	NTS-1G
Date Collected:	(no exceedances)	(no exceedances)	08/24/12	08/24/12	08/24/12	03/16/12	03/26/12
PCBs							
Aroclor-1016	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1221	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1232	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1242	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1248	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1254	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1260	- -	- -	<0.100	NA	NA	<0.0400	NA
Aroclor-1262	- -	- -	<0.100	NA	NA	NA	NA
Aroclor-1268	- -	- -	<0.100	NA	NA	NA	NA
Total PCBs	- -	- -	<0.100	NA	NA	<0.0400	NA
Volatile Organics							
1,1,1,2-Tetrachloroethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,1,1-Trichloroethane	0.68	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,1,2,2-Tetrachloroethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,1,2-trichloro-1,2,2-trifluoroethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	NA
1,1,2-Trichloroethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,1-Dichloroethane	0.27	240	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,1-Dichloroethene	0.33	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,1-Dichloropropene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2,3-Trichlorobenzene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2,3-Trichloropropane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2,4-Trichlorobenzene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2,4-Trimethylbenzene	3.6	190	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2-Dibromo-3-chloropropane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2-Dibromoethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2-Dichlorobenzene	1.1	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2-Dichloroethane	0.02	30	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,2-Dichloropropane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,3,5-Trimethylbenzene	8.4	190	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,3-Dichlorobenzene	2.4	280	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,3-Dichloropropane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,4-Dichlorobenzene	1.8	130	<0.0051	<0.0060	<0.0058	NA	<0.0061
1,4-Dioxane	0.1	130	NA	NA	NA	NA	<0.12
2,2-Dichloropropane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
2-Butanone	0.12	500	<0.030	<0.036	<0.035	NA	<0.0061
2-Chlorotoluene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
2-Hexanone	- -	- -	<0.025	<0.030	<0.029	NA	<0.0061
2-Isopropyltoluene	- -	- -	<0.0051	<0.0060	<0.0058	NA	NA
4-Chlorotoluene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
4-Methyl-2-pentanone	- -	- -	<0.025	<0.030	<0.029	NA	<0.0061
Acetone	0.05	500	<0.050	<0.050	<0.050	NA	<0.0061
Acrylonitrile	- -	- -	<0.010	<0.012	<0.012	NA	NA
Benzene	0.06	44	<0.0051	<0.0060	<0.0058	NA	<0.0061
Bromobenzene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Bromochloromethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Bromodichloromethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Bromoform	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Bromomethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Carbon Disulfide	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Carbon Tetrachloride	0.76	22	<0.0051	<0.0060	<0.0058	NA	<0.0061
Chlorobenzene	1.1	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
Chloroethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Chloroform	0.37	350	<0.0051	<0.0060	<0.0058	NA	<0.0061
Chloromethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
cis-1,2-Dichloroethene	0.25	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
cis-1,3-Dichloropropene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Dibromochloromethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Dibromomethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Dichlorodifluoromethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Ethylbenzene	1	390	<0.0051	<0.0060	<0.0058	NA	<0.0061
Hexachlorobutadiene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Iodomethane	- -	- -	NA	NA	NA	NA	<0.0061
Isopropylbenzene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Methyl tert-butyl ether	0.93	500	<0.010	<0.012	<0.012	NA	<0.0061
Methylene Chloride	0.05	500	0.010 SB	0.0093 SB	0.0076 SB	NA	<0.0061
Naphthalene	12	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
n-Butylbenzene	12	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
n-Propylbenzene	3.9	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
o-Xylene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
p-Isopropyltoluene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
sec-Butylbenzene	11	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
Styrene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
tert-Butylbenzene	5.9	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
Tetrachloroethene	1.3	150	<0.0051	<0.0060	<0.0058	NA	<0.0061
Tetrahydrofuran	- -	- -	<0.010	<0.012	<0.012	NA	NA
Toluene	0.7	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
trans-1,2-Dichloroethene	0.19	500	<0.0051	<0.0060	<0.0058	NA	<0.0061
trans-1,3-Dichloropropene	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
trans-1,4-Dichloro-2-butene	- -	- -	<0.010	<0.012	<0.012	NA	NA
Trichloroethene	0.47	200	<0.0051	<0.0060	<0.0058	NA	<0.0061
Trichlorofluoromethane	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Vinyl Acetate	- -	- -	NA	NA	NA	NA	<0.0061
Vinyl Chloride	0.02	13	<0.0051	<0.0060	<0.0058	NA	<0.0061
Xylenes (total)	1.6	500	NA	NA	NA	NA	<0.0061
m&p-Xylene	- -	- -	<0.0051	<0.0060	<0.0058	NA	NA
Total BTEX	- -	- -	<0.0051	<0.0060	<0.0058	NA	<0.0061
Total VOCs	- -	- -	0.010	0.0093	0.0076	NA	<0.0061

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

	6 NYCRR Part 375 SCOs		Imported Topsoil (Gerber Topsoil)			Onsite Re-Use Topsoil (from within ISS Limits)	
Location ID:	Protection of Groundwater	Restricted-Commercial	GERBER TS 1	GERBER TS 2	GERBER TS 3	NTS-1C	NTS-1G
Date Collected:	(no exceedances)	(no exceedances)	08/24/12	08/24/12	08/24/12	03/16/12	03/26/12
Semivolatile Organics							
1,2,4,5-Tetrachlorobenzene	- -	- -	<0.28	NA	NA	NA	NA
1,2,4-Trichlorobenzene	- -	- -	<0.28	NA	NA	<0.41	NA
1,2-Dichlorobenzene	1.1	500	<0.28	NA	NA	<0.41	NA
1,3-Dichlorobenzene	2.4	280	<0.28	NA	NA	<0.41	NA
1,4-Dichlorobenzene	1.8	130	<0.28	NA	NA	<0.41	NA
2,2´-oxybis(1-Chloropropane)	- -	- -	NA	NA	NA	<0.41	NA
2,4,5-Trichlorophenol	- -	- -	<0.28	NA	NA	<0.82	NA
2,4,6-Trichlorophenol	- -	- -	<0.28	NA	NA	<0.41	NA
2,4-Dichlorophenol	- -	- -	<0.28	NA	NA	<0.41	NA
2,4-Dimethylphenol	- -	- -	<0.28	NA	NA	<0.41	NA
2,4-Dinitrophenol	- -	- -	<0.45	NA	NA	<0.82	NA
2,4-Dinitrotoluene	- -	- -	<0.28	NA	NA	<0.41	NA
2,6-Dinitrotoluene	- -	- -	<0.28	NA	NA	<0.41	NA
2-Chloronaphthalene	- -	- -	<0.28	NA	NA	<0.41	NA
2-Chlorophenol	- -	- -	<0.28	NA	NA	<0.41	NA
2-Methylnaphthalene	- -	- -	<0.28	NA	NA	<0.41	NA
2-Methylphenol	0.33	500	<0.28	NA	NA	<0.41	NA
2-Nitroaniline	- -	- -	<0.45	NA	NA	<0.82	NA
2-Nitrophenol	- -	- -	<0.28	NA	NA	<0.41	NA
3&4-Methylphenol	- -	- -	<0.28	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	- -	<0.56	NA	NA	<0.41	NA
3-Nitroaniline	- -	- -	<0.45	NA	NA	<0.82	NA
4,6-Dinitro-2-methylphenol	- -	- -	<0.28	NA	NA	<0.82	NA
4-Bromophenyl-phenylether	- -	- -	<0.28	NA	NA	<0.41	NA
4-Chloro-3-Methylphenol	- -	- -	<0.28	NA	NA	<0.41	NA
4-Chloroaniline	- -	- -	<0.56	NA	NA	<0.41	NA
4-Chlorophenyl-phenylether	- -	- -	<0.28	NA	NA	<0.41	NA
4-Methylphenol	0.33	500	NA	NA	NA	<0.41	NA
4-Nitroaniline	- -	- -	<0.45	NA	NA	<0.82	NA
4-Nitrophenol	- -	- -	<0.81	NA	NA	<0.82	NA
Acenaphthene	98	500	<0.28	NA	NA	<0.41	NA
Acenaphthylene	107	500	<0.28	NA	NA	0.22 J	NA
Acetophenone	- -	- -	<0.28	NA	NA	NA	NA
Aniline	- -	- -	<0.81	NA	NA	NA	NA
Anthracene	1,000	500	<0.28	NA	NA	0.15 J	NA
Azobenzene	- -	- -	<0.28	NA	NA	NA	NA
Benzidine	- -	- -	<0.28	NA	NA	NA	NA
Benzo(a)anthracene	1	5.6	<0.28	NA	NA	0.30 J	NA
Benzo(a)pyrene	22	1	0.14 J	NA	NA	0.33 J	NA
Benzo(b)fluoranthene	1.7	5.6	0.21 J	NA	NA	0.42	NA
Benzo(g,h,i)perylene	1,000	500	0.13 J	NA	NA	0.23 J	NA
Benzo(k)fluoranthene	1.7	56	<0.28	NA	NA	0.23 J	NA
Benzoic Acid	- -	- -	<0.81	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	- -	- -	<0.28	NA	NA	<0.41	NA
bis(2-Chloroethyl)ether	- -	- -	<0.28	NA	NA	<0.41	NA
bis(2-Chloroisopropyl)ether	- -	- -	<0.28	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	- -	- -	<0.28	NA	NA	<0.41	NA
Butylbenzylphthalate	- -	- -	<0.28	NA	NA	<0.41	NA
Carbazole	- -	- -	<0.81	NA	NA	<0.41	NA
Chrysene	1	56	<0.28	NA	NA	0.34 J	NA
Dibenzo(a,h)anthracene	1,000	0.56	<0.28	NA	NA	<0.41	NA
Dibenzofuran	210	350	<0.28	NA	NA	<0.41	NA
Diethylphthalate	- -	- -	<0.28	NA	NA	<0.41	NA
Dimethylphthalate	- -	- -	<0.28	NA	NA	<0.41	NA
Di-n-Butylphthalate	- -	- -	<0.28	NA	NA	0.085 J	NA
Di-n-Octylphthalate	- -	- -	<0.28	NA	NA	<0.41	NA
Fluoranthene	1,000	500	0.13 J	NA	NA	0.54	NA
Fluorene	386	500	<0.28	NA	NA	<0.41	NA
Hexachlorobenzene	3.2	6	<0.28	NA	NA	<0.41	NA
Hexachlorobutadiene	- -	- -	<0.28	NA	NA	<0.41	NA
Hexachlorocyclopentadiene	- -	- -	<0.28	NA	NA	<0.41	NA
Hexachloroethane	- -	- -	<0.28	NA	NA	<0.41	NA
Indeno(1,2,3-cd)pyrene	8.2	5.6	<0.28	NA	NA	0.22 J	NA
Isophorone	- -	- -	<0.28	NA	NA	<0.41	NA
Naphthalene	12	500	<0.28	NA	NA	<0.41	NA
Nitrobenzene	- -	- -	<0.28	NA	NA	<0.41	NA
N-Nitrosodimethylamine	- -	- -	<0.28	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	- -	- -	<0.28	NA	NA	<0.41	NA
N-Nitrosodiphenylamine	- -	- -	<0.81	NA	NA	<0.41	NA
Pentachloronitrobenzene	- -	- -	<0.28	NA	NA	NA	NA
Pentachlorophenol	0.8	6.7	<0.28	NA	NA	<0.82	NA
Phenanthrene	1,000	500	<0.28	NA	NA	0.23 J	NA
Phenol	0.33	500	<0.28	NA	NA	<0.41	NA
Pyrene	1,000	500	<0.28	NA	NA	0.45	NA
Pyridine	- -	- -	<0.28	NA	NA	NA	NA
Total PAHs	- -	- -	0.61 J	NA	NA	3.7 J	NA
Total SVOCs	- -	- -	0.61 J	NA	NA	3.8 J	NA

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

	6 NYCRR Part 375 SCOs		Imported Topsoil (Gerber Topsoil)			Onsite Re-Use Topsoil (from within ISS Limits)	
Location ID:	Protection of Groundwater	Restricted-Commercial	GERBER TS 1	GERBER TS 2	GERBER TS 3	NTS-1C	NTS-1G
Date Collected:	(no exceedances)	(no exceedances)	08/24/12	08/24/12	08/24/12	03/16/12	03/26/12
Pesticides							
4,4'-DDD	14	92	<0.0014	NA	NA	<0.0040	NA
4,4'-DDE	17	62	0.0071	NA	NA	<0.0040	NA
4,4'-DDT	136	47	<0.0014	NA	NA	<0.0040	NA
Aldrin	0.19	0.68	<0.0010	NA	NA	<0.0021	NA
Alpha-BHC	0.02	3.4	<0.0010	NA	NA	<0.0021	NA
Alpha-Chlordane	2.9	24	<0.0020	NA	NA	<0.0021	NA
Beta-BHC	0.09	3	<0.0010	NA	NA	<0.0021	NA
Delta-BHC	0.25	500	<0.0010	NA	NA	<0.0021	NA
Dieldrin	0.1	1.4	<0.0010	NA	NA	<0.0040	NA
Endosulfan I	102	200	<0.0020	NA	NA	<0.0021	NA
Endosulfan II	102	200	<0.0020	NA	NA	<0.0040	NA
Endosulfan Sulfate	1,000	200	<0.0020	NA	NA	<0.0040	NA
Endrin	0.06	89	<0.0010	NA	NA	<0.0040	NA
Endrin Aldehyde	- -	- -	<0.0020	NA	NA	<0.0040	NA
Endrin Ketone	- -	- -	<0.0010	NA	NA	<0.0040	NA
Gamma-BHC (Lindane)	0.1	9.2	<0.0010	NA	NA	<0.0021	NA
Gamma-Chlordane	- -	- -	<0.0020	NA	NA	<0.0021	NA
Heptachlor	0.38	15	<0.0010	NA	NA	<0.0021	NA
Heptachlor Epoxide	- -	- -	<0.0010	NA	NA	<0.0021	NA
Methoxychlor	- -	- -	<0.0040	NA	NA	<0.021	NA
Technical Chlordane	- -	- -	<0.012	NA	NA	NA	NA
Toxaphene	- -	- -	<0.019	NA	NA	<0.21	NA
Herbicides							
2,4,5-T	- -	- -	<0.050	NA	NA	NA	NA
2,4,5-TP	3.8	500	<0.050	NA	NA	<0.0044	NA
2,4-D	- -	- -	<0.050	NA	NA	NA	NA
2,4-DB	- -	- -	<0.50	NA	NA	NA	NA
Dalapon	- -	- -	<0.050	NA	NA	NA	NA
Dicamba	- -	- -	<0.10	NA	NA	NA	NA
Dichloroprop	- -	- -	<0.050	NA	NA	NA	NA
Dinoseb	- -	- -	<0.10	NA	NA	NA	NA
Inorganics							
Aluminum	- -	- -	NA	NA	NA	8,580	NA
Antimony	- -	- -	NA	NA	NA	0.870 B	NA
Arsenic	16	16	5.50	NA	NA	7.70	NA
Barium	820	400	81.3	NA	NA	80.6	NA
Beryllium	47	590	0.430	NA	NA	0.510	NA
Cadmium	7.5	9.3	0.230 B	NA	NA	0.710	NA
Calcium	- -	- -	NA	NA	NA	16,000	NA
Chromium	- -	- -	12.7	NA	NA	12.6	NA
Chromium, Hexavalent	- -	- -	<0.470	NA	NA	NA	NA
Trivalent Chromium	- -	- -	NA	NA	NA	NA	NA
Cobalt	- -	- -	NA	NA	NA	6.70	NA
Copper	1,720	270	19.7	NA	NA	21.2	NA
Cyanide	40	27	<0.610	NA	NA	NA	NA
Iron	- -	- -	NA	NA	NA	19,600	NA
Lead	450	1,000	12.7	NA	NA	22.0	NA
Magnesium	- -	- -	NA	NA	NA	4,280	NA
Manganese	2,000	10,000	459 N	NA	NA	908	NA
Mercury	0.73	2.8	<0.0800 N	NA	NA	0.200	NA
Nickel	130	310	14.1	NA	NA	13.7	NA
Potassium	- -	- -	NA	NA	NA	616	NA
Selenium	4	1,500	<1.60	NA	NA	<1.80	NA
Silver	8.3	1,500	<0.410	NA	NA	<1.80	NA
Sodium	- -	- -	NA	NA	NA	295	NA
Thallium	- -	- -	NA	NA	NA	1.10 B	NA
Trivalent Chromium	- -	- -	12.7	NA	NA	NA	NA
Vanadium	- -	- -	NA	NA	NA	18.1	NA
Zinc	2,480	10,000	48.2	NA	NA	52.9	NA

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

	6 NYCRR Part 375 SCOs		Imported Bank Run Gravel (Syracuse Sand & Gravel, LLC)								Onsite Topsoil (from New Stone Parking Area) [Material Ultimately Transported Offsite for Disposal]			
Location ID:	Protection of Groundwater	Restricted-Commercial	SBRC-1	SBRC-2	SBRG-1	SBRG-2	SBRG-3	SBRG-4	SBRG-5	SBRG-6	MSRC-1	MSRG-1	MSRG-2	MSRG-3
Date Collected:	(no exceedances)	(no exceedances)	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	07/11/12	07/11/12	07/11/12	07/11/12
PCBs														
Aroclor-1016	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1221	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1232	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1242	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1248	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1254	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1260	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Aroclor-1262	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1268	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	- -	- -	<0.0370	<0.0360	NA	NA	NA	NA	NA	NA	<0.0400	NA	NA	NA
Volatile Organics														
1,1,1,2-Tetrachloroethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,1,1-Trichloroethane	0.68	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,1,2,2-Tetrachloroethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,1,2-trichloro-1,2,2-trifluoroethane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,1-Dichloroethane	0.27	240	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,1-Dichloroethene	0.33	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,1-Dichloropropene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2,3-Trichlorobenzene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2,3-Trichloropropane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2,4-Trichlorobenzene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2,4-Trimethylbenzene	3.6	190	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2-Dibromo-3-chloropropane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2-Dibromoethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2-Dichlorobenzene	1.1	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2-Dichloroethane	0.02	30	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,2-Dichloropropane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,3,5-Trimethylbenzene	8.4	190	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,3-Dichlorobenzene	2.4	280	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,3-Dichloropropane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,4-Dichlorobenzene	1.8	130	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
1,4-Dioxane	0.1	130	NA	NA	<0.11	<0.20	<0.14	<0.10	<0.11	<0.094	NA	<0.11	<0.12	<0.13
2,2-Dichloropropane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
2-Butanone	0.12	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
2-Chlorotoluene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
2-Hexanone	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
2-Isopropyltoluene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
4-Methyl-2-pentanone	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Acetone	0.05	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Acrylonitrile	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.06	44	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Bromobenzene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Bromochloromethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Bromodichloromethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Bromoform	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Bromomethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Carbon Disulfide	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Carbon Tetrachloride	0.76	22	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Chlorobenzene	1.1	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Chloroethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Chloroform	0.37	350	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Chloromethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
cis-1,2-Dichloroethene	0.25	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
cis-1,3-Dichloropropene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Dibromochloromethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Dibromomethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Dichlorodifluoromethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Ethylbenzene	1	390	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Hexachlorobutadiene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Iodomethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Isopropylbenzene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Methyl tert-butyl ether	0.93	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Methylene Chloride	0.05	500	NA	NA	<0.0054	<0.010	0.0068 J	0.0063	<0.0054	0.0050	NA	<0.0054	<0.0058	<0.0064
Naphthalene	12	500	NA	NA	0.0011 BJ	<0.010	<0.0068	<0.0052	0.0024 BJ	<0.0047	NA	0.0018 J	<0.0058	<0.0064
n-Butylbenzene	12	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
n-Propylbenzene	3.9	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
o-Xylene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
p-Isopropyltoluene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
sec-Butylbenzene	11	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Styrene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
tert-Butylbenzene	5.9	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Tetrachloroethene	1.3	150	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Tetrahydrofuran	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	0.7	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	0.0045 J
trans-1,2-Dichloroethene	0.19	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
trans-1,3-Dichloropropene	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
trans-1,4-Dichloro-2-butene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.47	200	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Trichlorofluoromethane	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Vinyl Acetate	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Vinyl Chloride	0.02	13	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
Xylenes (total)	1.6	500	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	<0.0064
m&p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total BTEX	- -	- -	NA	NA	<0.0054	<0.010	<0.0068	<0.0052	<0.0054	<0.0047	NA	<0.0054	<0.0058	0.0045 J
Total VOCs	- -	- -	NA	NA	<0.0054	<0.010	0.0068 J	0.0063	<0.0054	0.0050	NA	<0.0054	<0.0058	0.0045 J

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

	6 NYCRR Part 375 SCOs		Imported Bank Run Gravel (Syracuse Sand & Gravel, LLC)								Onsite Topsoil (from New Stone Parking Area) [Material Ultimately Transported Offsite for Disposal]			
Location ID:	Protection of Groundwater	Restricted-Commercial	SBRC-1	SBRC-2	SBRG-1	SBRG-2	SBRG-3	SBRG-4	SBRG-5	SBRG-6	MSRC-1	MSRG-1	MSRG-2	MSRG-3
Date Collected:	(no exceedances)	(no exceedances)	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	02/20/12	07/11/12	07/11/12	07/11/12	07/11/12
Semivolatile Organics														
1,2,4,5-Tetrachlorobenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
1,2-Dichlorobenzene	1.1	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
1,3-Dichlorobenzene	2.4	280	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
1,4-Dichlorobenzene	1.8	130	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2,2´-oxybis(1-Chloropropane)	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2,4,5-Trichlorophenol	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
2,4,6-Trichlorophenol	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2,4-Dichlorophenol	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2,4-Dimethylphenol	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2,4-Dinitrophenol	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
2,4-Dinitrotoluene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2,6-Dinitrotoluene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2-Chloronaphthalene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2-Chlorophenol	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2-Methylnaphthalene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2-Methylphenol	0.33	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
2-Nitroaniline	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
2-Nitrophenol	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
3&4-Methylphenol	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
3-Nitroaniline	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
4,6-Dinitro-2-methylphenol	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
4-Bromophenyl-phenylether	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
4-Chloro-3-Methylphenol	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
4-Chloroaniline	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
4-Chlorophenyl-phenylether	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
4-Methylphenol	0.33	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.14 J	NA	NA	NA
4-Nitroaniline	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
4-Nitrophenol	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
Acenaphthene	98	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Acenaphthylene	107	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.37 J	NA	NA	NA
Acetophenone	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	1,000	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.25 J	NA	NA	NA
Azobenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	5.6	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.42	NA	NA	NA
Benzo(a)pyrene	22	1	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.43	NA	NA	NA
Benzo(b)fluoranthene	1.7	5.6	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.53	NA	NA	NA
Benzo(g,h,i)perylene	1,000	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.36 J	NA	NA	NA
Benzo(k)fluoranthene	1.7	56	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.21 J	NA	NA	NA
Benzoic Acid	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
bis(2-Chloroethyl)ether	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
bis(2-Chloroisopropyl)ether	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.090 J	NA	NA	NA
Butylbenzylphthalate	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Carbazole	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Chrysene	1	56	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.51	NA	NA	NA
Dibenzo(a,h)anthracene	1,000	0.56	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.093 J	NA	NA	NA
Dibenzofuran	210	350	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Diethylphthalate	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Dimethylphthalate	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Di-n-Butylphthalate	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.11 J	NA	NA	NA
Di-n-Octylphthalate	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Fluoranthene	1,000	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.77	NA	NA	NA
Fluorene	386	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Hexachlorobenzene	3.2	6	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Hexachlorobutadiene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Hexachlorocyclopentadiene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Hexachloroethane	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Indeno(1,2,3-cd)pyrene	8.2	5.6	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.29 J	NA	NA	NA
Isophorone	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Naphthalene	12	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Nitrobenzene	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
N-Nitrosodimethylamine	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
N-Nitrosodiphenylamine	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Pentachloronitrobenzene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	0.8	6.7	<0.73	<0.72	NA	NA	NA	NA	NA	NA	<0.81	NA	NA	NA
Phenanthrene	1,000	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.41	NA	NA	NA
Phenol	0.33	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	<0.40	NA	NA	NA
Pyrene	1,000	500	<0.36	<0.35	NA	NA	NA	NA	NA	NA	0.75	NA	NA	NA
Pyridine	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	<0.36	<0.35	NA	NA	NA	NA	NA	NA	5.4 J	NA	NA	NA
Total SVOCs	- -	- -	<0.73	<0.72	NA	NA	NA	NA	NA	NA	5.7 J	NA	NA	NA

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

	6 NYCRR Part 375 SCOs		Imported Bank Run Gravel (Syracuse Sand & Gravel, LLC)								Onsite Topsoil (from New Stone Parking Area) [Material Ultimately Transported Offsite for Disposal]			
Location ID:	**Protection of Groundwater**	**Restricted-Commercial**	**SBRC-1**	**SBRC-2**	**SBRG-1**	**SBRG-2**	**SBRG-3**	**SBRG-4**	**SBRG-5**	**SBRG-6**	**MSRC-1**	**MSRG-1**	**MSRG-2**	**MSRG-3**
Date Collected:	**(no exceedances)**	**(no exceedances)**	**02/20/12**	**02/20/12**	**02/20/12**	**02/20/12**	**02/20/12**	**02/20/12**	**02/20/12**	**02/20/12**	**07/11/12**	**07/11/12**	**07/11/12**	**07/11/12**
Pesticides														
4,4'-DDD	14	92	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
4,4'-DDE	17	62	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
4,4'-DDT	136	47	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Aldrin	0.19	0.68	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Alpha-BHC	0.02	3.4	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Alpha-Chlordane	2.9	24	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Beta-BHC	0.09	3	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Delta-BHC	0.25	500	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Dieldrin	0.1	1.4	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Endosulfan I	102	200	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Endosulfan II	102	200	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Endosulfan Sulfate	1,000	200	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Endrin	0.06	89	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Endrin Aldehyde	- -	- -	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Endrin Ketone	- -	- -	<0.0037	<0.0036	NA	NA	NA	NA	NA	NA	<0.0040	NA	NA	NA
Gamma-BHC (Lindane)	0.1	9.2	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Gamma-Chlordane	- -	- -	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Heptachlor	0.38	15	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Heptachlor Epoxide	- -	- -	<0.0019	<0.0018	NA	NA	NA	NA	NA	NA	<0.0021	NA	NA	NA
Methoxychlor	- -	- -	<0.019	<0.018	NA	NA	NA	NA	NA	NA	<0.021	NA	NA	NA
Technical Chlordane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	- -	- -	<0.19	<0.18	NA	NA	NA	NA	NA	NA	<0.21	NA	NA	NA
Herbicides														
2,4,5-T	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP	3.8	500	NA	NA	NA	NA	NA	NA	NA	NA	<0.0045	NA	NA	NA
2,4-D	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-DB	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dalapon	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dicamba	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloroprop	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics														
Aluminum	- -	- -	4,500	5,850	NA	NA	NA	NA	NA	NA	7,370	NA	NA	NA
Antimony	- -	- -	<0.830	<1.10	NA	NA	NA	NA	NA	NA	<1.10 N	NA	NA	NA
Arsenic	16	16	2.80	3.70	NA	NA	NA	NA	NA	NA	7.80 *	NA	NA	NA
Barium	820	400	37.2	59.2	NA	NA	NA	NA	NA	NA	105 *	NA	NA	NA
Beryllium	47	590	0.220	0.270 B	NA	NA	NA	NA	NA	NA	0.350	NA	NA	NA
Cadmium	7.5	9.3	<0.210	<0.270	NA	NA	NA	NA	NA	NA	2.40 *	NA	NA	NA
Calcium	- -	- -	4,380	14,300	NA	NA	NA	NA	NA	NA	61,300	NA	NA	NA
Chromium	- -	- -	7.10	6.50	NA	NA	NA	NA	NA	NA	30.1 *	NA	NA	NA
Chromium, Hexavalent	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	<4.8	NA	NA	NA
Trivalent Chromium	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	7.80	NA	NA	NA
Cobalt	- -	- -	4.00	4.80	NA	NA	NA	NA	NA	NA	42.0 *	NA	NA	NA
Copper	1,720	270	21.9	27.9	NA	NA	NA	NA	NA	NA	1.50	NA	NA	NA
Cyanide	40	27	<1.10	<0.770	NA	NA	NA	NA	NA	NA	16,600	NA	NA	NA
Iron	- -	- -	12,400	14,400	NA	NA	NA	NA	NA	NA	45.7 *	NA	NA	NA
Lead	450	1,000	3.70	3.10	NA	NA	NA	NA	NA	NA	13,800 *	NA	NA	NA
Magnesium	- -	- -	3,300	5,210	NA	NA	NA	NA	NA	NA	730 *	NA	NA	NA
Manganese	2,000	10,000	488	859	NA	NA	NA	NA	NA	NA	0.240 *	NA	NA	NA
Mercury	0.73	2.8	0.00570 B	0.00820 B	NA	NA	NA	NA	NA	NA	18.0 *	NA	NA	NA
Nickel	130	310	9.20	10.3	NA	NA	NA	NA	NA	NA	743	NA	NA	NA
Potassium	- -	- -	399	478	NA	NA	NA	NA	NA	NA	<1.70	NA	NA	NA
Selenium	4	1,500	<1.20	<1.60	NA	NA	NA	NA	NA	NA	0.330 B	NA	NA	NA
Silver	8.3	1,500	<1.20	<1.60	NA	NA	NA	NA	NA	NA	138 E	NA	NA	NA
Sodium	- -	- -	20.9 B	27.7 B	NA	NA	NA	NA	NA	NA	1.10	NA	NA	NA
Thallium	- -	- -	<0.830	<1.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trivalent Chromium	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	30	NA	NA	NA
Vanadium	- -	- -	10.2	12.2	NA	NA	NA	NA	NA	NA	16.7	NA	NA	NA
Zinc	2,480	10,000	20.7	25.3	NA	NA	NA	NA	NA	NA	83.9 *	NA	NA	NA

TABLE 4
BACKFILL ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Notes:

1. ISS = in-situ soil solidification.
2. PCBs = Polychlorinated Biphenyls.
3. VOCs = Target Compound List (TCL) Volatile Organic Compounds and Methyl-t-Butyl Ether (MTBE).
4. SVOCs = TCL Semi-Volatile Organic Compounds and Pyridine.
5. Inorganics = Target Analyte List (TAL) Metals and Cyanide.
6. SCOs = soil cleanup objectives.
7. Laboratory analysis was performed by TestAmerica Laboratories, Inc. (TestAmerica), of Buffalo, New York.
   - PCBs using USEPA SW-846 Method 8082;
   - VOCs/BTEX using United States Environmental Protection Agency (USEPA) SW-846 Method 8260B;
   - SVOCs using USEPA SW-846 Method 8270C;
   - Pesticides and herbicides using USEPA SW-846 Method 8081.
   - Herbicides using USEPA SW-846 Method 8151.
   - Inorganics using USEPA SW-846 Methods 6010B, 7471A and 9012A;
8. Data qualifiers are defined as follows:
   < - Constituent not detected at a concentration above the reported detection limit.
   B (Inorganic) - Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL).
   B (Organic) - Compound was found in blank.
   E - Estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
   J - Indicates that the associated numerical value is an estimated concentration.
   N - Matrix spike recovery falls outside of the control limit.
   S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected.
   * - Relative Percent Difference for duplicate analyses is outside of the control limit.
9. NA = Not analyzed.
10. Concentrations reported in dry weight parts per million (ppm), which is equivalent to milligrams per kilogram (mg/Kg).
11. 6 NYCRR Part 375 SCOs are from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Part 375-6.8(b).
12. - - = No 6 NYCRR Part 375 SCO listed.
13. The data were not validated.

TABLE 5
NAPL GAUGING MEASUREMENTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location	Measuring Point Elevation (ft NAVD 88)	Well Diameter (inches)	Depth to Screened Interval Top (ft)	Depth to Screened Interval Bottom (ft)	Sump Length (ft)	Total Well Depth (ft)	NAPL Thickness (feet) 4/9 AM	4/9 PM	4/10 AM	4/10 PM	4/11 AM	4/11 PM	4/12 AM	4/12 PM	4/13 AM	4/13 PM	4/16 AM	4/16 PM	4/17 AM	4/17 PM	4/18 AM	4/18 PM	4/19 AM	4/19 PM	4/20 AM	4/20 PM	4/23 AM	4/23 PM
MW-7S	374.96	4	5	10	1	11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-7D	374.34	4	13	23	1	24	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-8S	375.75	2	4	9	0	9	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-8D	375.84	2	16	26	2	28	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-30S	373.44	4	5	10	0	10	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-30D	373.47	4	12	22	2	24	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-31S	373.73	4	3	10	1	11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-31D	373.65	4	16	26	1	27	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-34D	374.25	2	10.5	20.5	2	22.5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-35D	374.64	2	12.5	22.5	2	24.5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-36S	375.11	2	3	10	2	12	3.1 (LNAPL)	3.1 (LNAPL)	3.1 (LNAPL)	3.1 (LNAPL)	3.1[A] (LNAPL)	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-36D	375.06	2	15	25	2	27	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

TABLE 5
NAPL GAUGING MEASUREMENTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location	Measuring Point Elevation (ft NAVD 88)	Well Diameter (inches)	Depth to Screened Interval Top (ft)	Depth to Screened Interval Bottom (ft)	Sump Length (ft)	Total Well Depth (ft)	NAPL Thickness (feet) 4/24 AM	4/24 PM	4/25 AM	4/25 PM	4/26 AM	4/26 PM	4/27 AM	4/27 PM	4/30 AM	4/30 PM	5/1 AM	5/1 PM	5/2 AM	5/2 PM	5/3 AM	5/3 PM	5/4 AM	5/4 PM	5/7 AM	5/7 PM	5/8 AM	5/8 PM
MW-7S	374.96	4	5	10	1	11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-7D	374.34	4	13	23	1	24	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-8S	375.75	2	4	9	0	9	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-8D	375.84	2	16	26	2	28	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-30S	373.44	4	5	10	0	10	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-30D	373.47	4	12	22	2	24	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-31S	373.73	4	3	10	1	11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-31D	373.65	4	16	26	1	27	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-34D	374.25	2	10.5	20.5	2	22.5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA
MW-35D	374.64	2	12.5	22.5	2	24.5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	NA	NA
MW-36S	375.11	2	3	10	2	12	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-36D	375.06	2	15	25	2	27	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

TABLE 5
NAPL GAUGING MEASUREMENTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Location	Measuring Point Elevation (ft NAVD 88)	Well Diameter (inches)	Depth to Screened Interval Top (ft)	Depth to Screened Interval Bottom (ft)	Sump Length (ft)	Total Well Depth (ft)	NAPL Thickness (feet) 5/9 AM	5/9 PM	5/17 PM	5/18 PM	5/24 AM	5/31 AM	6/7 AM	6/14 PM	6/15 PM	6/21 PM	6/29 PM	7/5 PM	7/12 PM	7/25 PM
MW-7S	374.96	4	5	10	1	11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-7D	374.34	4	13	23	1	24	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-8S	375.75	2	4	9	0	9	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-8D	375.84	2	16	26	2	28	- -	- -	- -	- -	- -	0.5[D] (DNAPL)	0.15 (DNAPL)	- -	0.15 (DNAPL)	0.15 (DNAPL)	0.21 (DNAPL)	0.19 (DNAPL)	0.16 (DNAPL)	0.25 (DNAPL)
MW-30S	373.44	4	5	10	0	10	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-30D	373.47	4	12	22	2	24	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-31S	373.73	4	3	10	1	11	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-31D	373.65	4	16	26	1	27	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-34D	374.25	2	10.5	20.5	2	22.5	NA	NA	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-35D	374.64	2	12.5	22.5	2	24.5	NA	NA	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-36S	375.11	2	3	10	2	12	- -	- -	- -	<0.01 (LNAPL)	<0.01 (LNAPL)	0.14[B] (LNAPL)	0.08[C] (LNAPL)	- -	0.09 (LNAPL)	0.04 (LNAPL)	0.02 (LNAPL)	- -	- -	- -
MW-36D	375.06	2	15	25	2	27	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

TABLE 5
NAPL GAUGING MEASUREMENTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Notes:

1. MW = Monitoring Well; S = Shallow Well; D = Deep Well.
2. NAPL = non-aqueous phase liquid.
3. LNAPL = light non-aqueous phase liquid.
4. DNAPL = dense non-aqueous phase liquid.
5. All elevations refer to North American Vertical Datum (NAVD) 1988 based on United States Geological Survey (USGS) Mon # S-34.
6. Depths are relative to the measuring point elevation (top of inner casing).
7. [A]= Less than 1 gallon of NAPL (fuel oil/diesel) removed from MW-36S on 4/11/2012
8. [B]= Approximately 1 gallon LNAPL/water removed from MW-36S on 5/31/2012
9. [C]= <0.25 gallon LNAPL/water removed from MW-36S on 6/7/2012
10. [D]= Approximately 1.5 gallons DNAPL/water removed from MW-8D on 5/31/2012
11. - - = NAPL not detected.

TABLE 6
ISS MIXING CELL SUMMARY AND QA/QC TEST RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Date	Mixing Cell #	Mixing Cell Depths		Treated Soil		Grout Mass						Grout Volume (gal)	Water		Sample Depth (feet bss)	UCS (psi)		Permeability (cm/sec)
		Top (feet bgs)	Bottom (feet bgs)	Volume (CY)	Mass (tons)	PC		BFS		Bentonite			Mass (kg)	Volume (gal)		7-Day	28-Day	
						(lbs)	(%)	(lbs)	(%)	(lbs)	(%)							
4/9/2012	40	4	24	148	250	7,511	1.50%	25,503	5.11%	2,015	0.40%	5,822	16,085	4,250	10-12	90	155 & 180	3.83×10^{-8}
4/10/2012	1	4	22	212	358	10,269	1.44%	35,390	4.95%	2,948	0.41%	8,246	22,352	5,905	10-12	40	165 & 180	1.79×10^{-8}
	6	4	22	129	218	6,252	1.44%	22,154	5.09%	1,770	0.41%	5,157	14,281	3,773	- -	- -	- -	- -
4/11/2012	12 & 13	4	22	241	407	11,413	1.40%	40,172	4.94%	3,181	0.39%	9,294	25,238	6,668	- -	- -	- -	- -
4/12/2012	48 & 49	4	24	375	633	18,475	1.46%	61,927	4.89%	5,459	0.43%	14,531	38,964	10,294	- -	- -	- -	- -
	45 & 46	4	24	324	547	14,914	1.36%	50,902	4.65%	4,709	0.43%	12,027	32,019	8,459	14	85	195 & 225	1.77×10^{-8}
4/13/2012	34 & 35	4	24	374	631	18,311	1.45%	63,215	5.01%	6,290	0.50%	14,744	39,757	10,504	- -	- -	- -	- -
4/16/2012	4 & 5	4	22	230	388	12,079	1.56%	40,104	5.17%	3,997	0.51%	9,247	25,359	6,700	13	120	285 &300	1.75×10^{-8}
	43 & 44	4	24	324	547	15,825	1.45%	53,929	4.93%	5,351	0.49%	12,453	34,092	9,007	- -	- -	- -	- -
4/17/2012	41 & 42	4	24	284	479	14,519	1.51%	48,823	5.09%	4,901	0.51%	11,315	30,806	8,139	12	100	260 & 270	1.72×10^{-8}
4/18/2012	10 & 11	4	22	266	449	13,607	1.52%	45,521	5.07%	4,522	0.50%	10,707	28,738	7,593	14.5	35	235 & 290	1.35×10^{-7}
	38 & 39	4	24	296	500	15,265	1.53%	51,133	5.12%	5,071	0.51%	12,025	32,266	8,525	- -	- -	- -	- -
4/19/2012	28 & 29	4	24	339	572	16,034	1.40%	56,160	4.91%	5,410	0.47%	12,986	34,958	9,236	5	110	295 & 330	3.47×10^{-8}
	36 & 37	4	24	296	500	15,179	1.52%	52,648	5.27%	5,249	0.53%	12,558	35,984	9,507	- -	- -	- -	- -
4/20/2012	32 & 33	4	24	296	500	15,009	1.50%	50,174	5.02%	4,901	0.49%	11,872	31,526	8,329	15	135	230 & 295	9.38×10^{-8}
4/23/2012	30 & 31	4	24	296	500	14,394	1.44%	49,985	5.00%	4,914	0.49%	12,022	31,673	8,368	- -	- -	- -	- -
	2 & 3	4	22	286	483	15,163	1.57%	48,576	5.03%	4,821	0.50%	11,649	30,749	8,124	5	40	220 & 225	5.16×10^{-8}
4/24/2012	26 & 27	4	24	326	550	16,845	1.53%	55,712	5.06%	5,397	0.49%	13,239	35,107	9,275	12.5	110	250 & 260	6.83×10^{-8}
	7, 8, & 9	4	22	433	731	22,004	1.51%	73,631	5.04%	7,152	0.49%	17,680	46,466	12,276	5	80	285 & 290	1.26×10^{-7}
4/25/2012	22 & 23	4	24	422	712	21,424	1.50%	71,142	5.00%	6,911	0.49%	17,008	44,819	11,841	- -	- -	- -	- -
4/26/2012	24 & 25	4	24	326	550	16,757	1.52%	54,374	4.94%	5,326	0.48%	13,006	34,950	9,234	18	80	205 & 210	1.00×10^{-7}
4/27/2012	17 & 18	4	22	291	491	14,489	1.48%	48,724	4.96%	4,658	0.47%	11,565	30,647	8,097	19	80	275 & 280	6.77×10^{-8}
4/30/2012	19, 20, & 21	4	24	489	825	24,998	1.51%	82,498	5.00%	7,820	0.47%	20,177	51,521	13,612	19	110	275 & 295	1.60×10^{-8}
5/1/2012	47	4	24	162	273	8,525	1.56%	28,450	5.20%	2,694	0.49%	6,647	17,649	4,663	- -	- -	- -	- -
5/2/2012	14, 15, & 16	4	22	441	744	22,348	1.50%	74,127	4.98%	7,258	0.49%	17,715	47,018	12,422	5	120	280 & 300	9.08×10^{-8}
5/4/2012	53, 54, 55, & 56	4	22	478	807	24,147	1.50%	80,726	5.00%	7,921	0.49%	19,245	51,022	13,480	10	90	190 & 200	9.36×10^{-8}
5/7/2012	57, 58, 59, & 60	4	22	565	953	27,117	1.42%	95,120	4.99%	9,138	0.48%	22,718	60,484	15,980	5	150	265 & 290	3.48×10^{-8}
5/8/2012	50, 51, & 52	4	22	336	567	17,516	1.54%	58,082	5.12%	5,939	0.52%	13,900	36,341	9,601	18	75	185 & 205	5.85×10^{-8}
5/18/2012	61 & 62 (partial)	4	22	311	525	15,503	1.48%	51,879	4.94%	5,547	0.53%	12,479	32,867	8,683	10	110	235 & 245	1.65×10^{-7}
5/21/2012	62 (partial) & 63	4	22	377	636	17,908	1.41%	63,874	5.02%	6,025	0.47%	14,746	40,279	10,642	17	150	305 & 295	1.95×10^{-7}

Notes:
1. Samples were collected by LAND Remediation, Inc. on the dates indicated.
2. Samples were submitted to PW Laboratories, Inc. of Syracuse, NY for analysis of unconfined compressive strength (UCS) by American Society for Testing and Materials (ASTM) Method D1633.
3. Samples were submitted for analysis of permeability by ASTM Method D5084.
4. QA/QC = quality assurance/quality control.
5. bgs = below ground surface
6. bss = below solidified surface.
7. psi = pounds per square inch.
8. cm/sec = centimeters per second.
9. UCS = unconfined compressive strength.
10. ISS = in-situ soil solidification.
11. The project specific performance criteria are presented below:
    - UCS greater than or equal to 50 psi.
    - Permeability less than or equal to 1.0×10^{-6} cm/sec.
12. PC = Portland cement.
13. BFS = blast furnace slag.
14. CY = cubic yards.
15. kg = kilograms.
16. lbs = pounds.
17. gal = gallons.
18. - - = not applicable.

TABLE 7
SUMMARY OF NON-HAZARDOUS WASTE MANIFESTS FOR THE TRANSPORT OF EXCAVATED MATERIALS TO ONTARIO COUNTY LANDFILL, STANLEY, NEW YORK

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Date Shipped	Type of Material	Ticket Number	Manifest Document Number	Tonnage
4/13/2012	NH-Soil	460299	0001	40.81
4/13/2012	NH-Soil	460309	0002	43.19
4/13/2012	NH-Soil	460315	0003	40.66
4/13/2012	NH-Soil	460335	0004	46.22
4/16/2012	NH-Soil	460541	0005	26.12
4/16/2012	NH-Soil	460564	0006	32.44
4/17/2012	NH-Soil	460762	0007	38.35
4/17/2012	NH-Soil	460784	0008	38.83
4/17/2012	NH-Soil	460845	0009	37.77
4/17/2012	NH-Soil	460890	0010	43.00
4/19/2012	NH-Soil	461168	0011	39.13
4/19/2012	NH-Soil	461247	0012	40.32
4/20/2012	NH-Soil	461380	0013	35.97
4/20/2012	NH-Soil	461448	0014	39.15
4/24/2012	NH-Soil	461932	0015	35.90
4/24/2012	NH-Soil	461951	0016	38.89
4/24/2012	NH-Soil	461931	0017	39.97
4/25/2012	NH-Soil	461974	0018	41.14
4/25/2012	NH-Soil	461987	0019	39.96
4/25/2012	NH-Soil	462040	0020	39.65
4/25/2012	NH-Soil	462072	0021	39.07
4/25/2012	NH-Soil	462138	0022	36.88
4/25/2012	NH-Soil	462142	0023	36.98
4/25/2012	NH-Soil	462093	0024	40.29
4/25/2012	C&D Debris	462136	0025	31.75
4/26/2012	NH-Soil	462175	0026	37.02
4/26/2012	NH-Soil	462242	0027	37.57
4/26/2012	NH-Soil	462325	0028	32.63
4/26/2012	C&D Debris	462331	0029	30.69
4/27/2012	NH-Soil	462405	0030	34.82
4/27/2012	NH-Soil	462412	0031	34.68
4/30/2012	NH-Soil	462624	0032	33.67
4/30/2012	NH-Soil	462658	0033	31.60
4/30/2012	C&D Debris	462717	0034	25.19
4/30/2012	NH-Soil	462733	0035	31.28
5/1/2012	NH-Soil	462848	0036	33.10
5/1/2012	NH-Soil	462862	0037	29.77
5/1/2012	NH-Soil	462923	0038	37.67
5/1/2012	NH-Soil	462954	0039	33.06
5/1/2012	NH-Soil	462999	0040	39.69
5/2/2012	C&D Debris	463064	0041	31.74
5/2/2012	NH-Soil	463063	0042	27.80
5/2/2012	NH-Soil	463073	0043	33.25
5/2/2012	NH-Soil	463097	0044	33.99
5/8/2012	NH-Soil	463850	0045	36.04
5/8/2012	NH-Soil	463855	0046	37.93
5/8/2012	NH-Soil	463934	0047	35.44
5/8/2012	NH-Soil	463937	0048	34.44
5/9/2012	NH-Soil	464020	0049	34.39
5/9/2012	NH-Soil	464053	0050	29.33
5/9/2012	NH-Soil	464054	0051	31.34
5/9/2012	NH-Soil	464098	0052	29.29
5/9/2012	NH-Soil	464141	0053	29.56
5/9/2012	NH-Soil	464191	0054	27.97
5/9/2012	NH-Soil	464168	0055	34.50
5/10/2012	NH-Soil	464221	0056	31.07
5/10/2012	NH-Soil	464220	0057	24.75
5/10/2012	NH-Soil	464252	0058	38.23
5/10/2012	NH-Soil	464262	0059	34.96
5/10/2012	NH-Soil	464300	0060	37.35
5/10/2012	NH-Soil	464313	0061	39.00
5/10/2012	NH-Soil	464322	0062	40.12
5/10/2012	NH-Soil	464327	0063	31.16

TABLE 7
SUMMARY OF NON-HAZARDOUS WASTE MANIFESTS FOR THE TRANSPORT OF EXCAVATED MATERIALS TO ONTARIO COUNTY LANDFILL, STANLEY, NEW YORK

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Date Shipped	Type of Material	Ticket Number	Manifest Document Number	Tonnage
5/10/2012	NH-Soil	464377	0064	37.30
5/10/2012	NH-Soil	464373	0065	38.93
5/11/2012	NH-Soil	464414	0066	32.73
5/11/2012	NH-Soil	464420	0067	29.64
5/11/2012	NH-Soil	464441	0068	35.25
5/11/2012	NH-Soil	464468	0069	30.81
5/11/2012	NH-Soil	464477	0070	32.53
5/11/2012	NH-Soil	464499	0071	31.45
5/11/2012	NH-Soil	464500	0072	35.11
5/11/2012	NH-Soil	464508	0073	38.59
5/14/2012	NH-Soil	464639	0074	37.98
5/14/2012	C&D Debris	464686	0075	28.23
5/14/2012	NH-Soil	464703	0076	36.60
5/14/2012	NH-Soil	464790	0077	37.80
5/15/2012	NH-Soil	464835	0078	33.45
5/15/2012	NH-Soil	464890	0079	39.90
5/15/2012	C&D Debris	464917	0080	34.61
5/15/2012	NH-Soil	464979	0081	41.06
5/15/2012	NH-Soil	465029	0082	37.76
5/15/2012	NH-Soil	465030	0083	32.54
5/16/2012	NH-Soil	465095	0084	34.03
5/16/2012	NH-Soil	465128	0085	36.32
5/22/2012	NH-Soil	465941	0086	35.12
5/22/2012	NH-Soil	465950	0087	41.44
5/22/2012	NH-Soil	466019	0088	36.41
5/22/2012	NH-Soil	466024	0089	40.91
5/22/2012	NH-Soil	466104	0090	36.67
5/22/2012	NH-Soil	466106	0091	38.55
5/23/2012	NH-Soil	466188	0092	38.04
5/23/2012	NH-Soil	466192	0093	37.52
5/23/2012	NH-Soil	466318	0094	35.08
5/23/2012	NH-Soil	466319	0095	36.46
5/24/2012	NH-Soil	466404	0096	33.79
5/24/2012	NH-Soil	466413	0097	31.35
5/24/2012	NH-Soil	466400	0098	35.34
5/24/2012	NH-Soil	466406	0099	37.52
5/24/2012	NH-Soil	466499	0100	28.81
5/24/2012	NH-Soil	466477	0101	38.93
5/24/2012	NH-Soil	466491	0102	34.32
5/24/2012	NH-Soil	466505	0103	32.48
5/25/2012	NH-Soil	466610	0104	38.97
5/25/2012	NH-Soil	466618	0105	37.18
5/29/2012	NH-Soil	466869	0106	37.44
5/29/2012	NH-Soil	466897	0107	36.13
6/8/2012	NH-Soil with Bulk Friable Asbestos	468670	0108	28.90
6/8/2012	NH-Soil with Bulk Friable Asbestos	468708	0109	17.74
6/13/2012	NH-Soil	469340	0110	32.84
6/13/2012	NH-Soil	469398	0111	30.62
6/13/2012	NH-Soil	469422	0112	36.01
6/13/2012	NH-Soil	469517	0113	32.23
6/13/2012	NH-Soil	469527	0114	37.71
6/14/2012	NH-Soil	469592	0115	20.43
6/25/2012	NH-Soil	471009	0116	30.94
6/27/2012	NH-Soil	471475	0117	29.96
7/19/2012	NH-Soil	474789	0118	42.44
7/19/2012	NH-Soil	474792	0119	37.46
7/19/2012	NH-Soil	474801	0120	35.91
7/19/2012	NH-Soil	474816	0121	34.20
7/19/2012	NH-Soil	474861	0122	34.14
7/19/2012	NH-Soil	474864	0123	32.80
7/19/2012	NH-Soil	474866	0124	31.17
7/19/2012	NH-Soil	474876	0125	34.86
7/19/2012	NH-Soil	474949	0126	44.39

TABLE 7
SUMMARY OF NON-HAZARDOUS WASTE MANIFESTS FOR THE TRANSPORT OF EXCAVATED MATERIALS TO ONTARIO COUNTY LANDFILL, STANLEY, NEW YORK

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Date Shipped	Type of Material	Ticket Number	Manifest Document Number	Tonnage
7/19/2012	NH-Soil	474953	0127	30.93
7/24/2012	NH-Soil	475603	0128	43.26
7/24/2012	NH-Soil	475613	0129	39.25
7/24/2012	NH-Soil	475616	0130	40.73
10/25/2012	NH-Soil	490783	0131	15.64
			Subtotal Non-Hazardous (NH) Soil:	4,365.32
			Subtotal NH-Soil with Bulk Friable Asbestos:	46.64
			Subtotal Construction and Demolition (C&D) Debris:	182.21
			TOTAL:	4,594.17

TABLE 8
SUMMARY OF NON-HAZARDOUS WASTE MANIFESTS FOR THE TRANSPORT OF PIPE
TO SENECA MEDOWS LANDFILL, WATERLOO, NEW YORK

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Date Shipped	Type of Material	Ticket Number	Tonnage
6/13/2012	C&D with Non-Friable Asbestos	2194467	12.34
6/14/2012	C&D with Non-Friable Asbestos	2194572	7.47
6/14/2012	Hazardous Asbestos, Solid	A12-121	4.02
		TOTAL:	**23.83**

TABLE 9
PIPE COATING ASBESTOS ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Sample ID	Date	Asbestos Present	Type of Asbestos
M12116-040512-002A	4/5/2012	NAD	NA
M12116-040512-002B	4/5/2012	NAD	NA
12116-002A	4/17/2012	NAD	NA
12116-002B	4/17/2012	NAD	NA
12116-003A	4/17/2012	Yes	Chrysotile 33.3%
12116-003B	4/17/2012	NA	NA
12116-004A	4/17/2012	Yes	Chrysotile <1% Amorite 80%
12116-004B	4/17/2012	NA	NA
12116-004C	4/17/2012		NA
12116-005A	4/17/2012	Yes	Chrysotile 11.3%
12116-005B	4/17/2012	NA	NA
12116-005C	4/17/2012		NA

Notes:
1. Samples were collected by Colden Corporation on the dates indicated.
2. Samples were analyzed by AmeriSci New York by:
   United States Environmental Protection Agency (USEPA) Method 600/M4-82-020, New York State (NYS) Environmental Laboratory Approval Program (ELAP) Method 198.1, 198.4, and/or 198.6.
3. NAD = No asbestos detected.
4. NA = not analyzed.

TABLE 10
PIPE INTERIOR PCB ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Sample ID	Total PCBs (ug/wipe)
PCB WIPE-1	1.0
PCB WIPE-1A	<1.0
PCB WIPE-1B	<1.0
PCB WIPE-1C	<1.0
PCB WIPE-2	<1.0
PCB WIPE-2C	<1.0
PCB WIPE-2D	<1.0
PCB WIPE-2E	<1.0
PCB WIPE-3	<1.0

Notes:

1. Samples were collected by Colden Corporation on 6/6/2012.
2. Samples were analyzed by Spectrum Analytical, Inc. of Syracuse, NY for polychlorinated biphenyls (PCBs) by United States Environmental Protection Agency (USEPA) SW-846 Method 8082.
3. Concentrations are shown in micrograms (ug) per wipe.
4. The data were not validated.

TABLE 11
PIPE WRAP PCB ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Sample ID	Date	Total PCBs
20-INCH PIPE COATING	4/5/2012	<0.83
PCB BULK-2A	6/6/2012	<0.034
PCB BULK-4A	6/6/2012	<0.036

Notes:
1. Samples were collected by Colden Corporation on the dates indicated.
2. Samples were analyzed by Spectrum Analytical, Inc. of Syracuse, NY and Phoenix Environmental Laboratories, Inc. of Manchester, CT for polychlorinated biphenyls (PCBs) by United States Environmental Protection Agency (USEPA) SW-846 Method 8082.
3. Concentrations are shown in milligrams per kilogram which is equivalent to parts per million (ppm).
4. < = Constituent not detected at a concentration above the reported detection limit.
5. The data were not validated.

TABLE 12
TREATED WATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Compound/ Parameter	Units	OCDWEP Allowable Effluent Concentrations (No Exceedances)	Effluent-1
PCBs - USEPA SW-846 Method 8082			
PCB-1016	ug/L	- -	<0.53
PCB-1221	ug/L	- -	<0.53
PCB-1232	ug/L	- -	<0.53
PCB-1242	ug/L	- -	<0.53
PCB-1248	ug/L	- -	<0.53
PCB-1254	ug/L	- -	<0.53
PCB-1260	ug/L	- -	<0.53
PCB-1262	ug/L	- -	<0.53
PCB-1268	ug/L	- -	<0.53
Total PCBs	ug/L	0.5	<0.53
VOCs - USEPA SW-846 Method 8260			
1,1,1,2-Tetrachloroethane	ug/L	- -	<1
1,1,1-Trichloroethane	ug/L	- -	<1
1,1,2,2-Tetrachloroethane	ug/L	- -	<0.5
1,1,2-Trichloroethane	ug/L	- -	<1
1,1-Dichloroethane	ug/L	- -	<1
1,1-Dichloroethene	ug/L	- -	<1
1,1-Dichloropropene	ug/L	- -	<1
1,2,3-Trichlorobenzene	ug/L	- -	<1
1,2,3-Trichloropropane	ug/L	- -	<1
1,2,4-Trichlorobenzene	ug/L	- -	<1
1,2,4-Trimethylbenzene	ug/L	- -	<1
1,2-Dibromo-3-chloropropane	ug/L	- -	<1
1,2-Dibromoethane	ug/L	- -	<1
1,2-Dichlorobenzene	ug/L	- -	<1
1,2-Dichloroethane	ug/L	- -	<0.6
1,2-Dichloropropane	ug/L	- -	<1
1,3,5-Trimethylbenzene	ug/L	- -	<1
1,3-Dichlorobenzene	ug/L	- -	<1
1,3-Dichloropropane	ug/L	- -	<1
1,4-Dichlorobenzene	ug/L	- -	<1
2,2-Dichloropropane	ug/L	- -	<1
2-Chlorotoluene	ug/L	- -	<1
2-Hexanone	ug/L	- -	<5
2-Isopropyltoluene	ug/L	- -	<1
4-Chlorotoluene	ug/L	- -	<1
4-Methyl-2-pentanone	ug/L	- -	<5
Acetone	ug/L	- -	<25
Acrylonitrile	ug/L	- -	<5
Benzene	ug/L	- -	1.6
Bromobenzene	ug/L	- -	<1
Bromochloromethane	ug/L	- -	<1
Bromodichloromethane	ug/L	- -	<0.5
Bromoform	ug/L	- -	<1
Bromomethane	ug/L	- -	<1

TABLE 12
TREATED WATER ANALYTICAL RESULTS

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Compound/ Parameter	Units	OCDWEP Allowable Effluent Concentrations (No Exceedances)	Effluent-1
VOCs (con't)			
Carbon Disulfide	ug/L	- -	<5
Carbon tetrachloride	ug/L	- -	<1
Chlorobenzene	ug/L	- -	<1
Chloroethane	ug/L	- -	<1
Chloroform	ug/L	- -	<1
Chloromethane	ug/L	- -	<1
cis-1,2-Dichloroethene	ug/L	- -	<1
cis-1,3-Dichloropropene	ug/L	- -	<0.5
Dibromochloromethane	ug/L	- -	<0.5
Dibromomethane	ug/L	- -	<1
Dichlorodifluoromethane	ug/L	- -	<1
Ethylbenzene	ug/L	- -	<1
Hexachlorobutadiene	ug/L	- -	<0.4
Isopropylbenzene	ug/L	- -	<1
m&p-Xylene	ug/L	- -	<1
Methyl ethyl ketone	ug/L	- -	<5
Methyl t-butyl ether (MTBE)	ug/L	- -	<1
Methylene chloride	ug/L	- -	<1
Naphthalene	ug/L	- -	3.7
n-Butylbenzene	ug/L	- -	<1
n-Propylbenzene	ug/L	- -	<1
o-Xylene	ug/L	- -	<1
p-Isopropyltoluene	ug/L	- -	<1
sec-Butylbenzene	ug/L	- -	<1
Styrene	ug/L	- -	<1
tert-Butylbenzene	ug/L	- -	<1
Tetrachloroethene	ug/L	- -	<1
Tetrahydrofuran (THF)	ug/L	- -	25
Toluene	ug/L	- -	<1
Total Xylenes	ug/L	- -	<1
trans-1,2-Dichloroethene	ug/L	- -	<1
trans-1,3-Dichloropropene	ug/L	- -	<0.5
trans-1,4-dichloro-2-butene	ug/L	- -	<5
Trichloroethene	ug/L	- -	<1
Trichlorofluoromethane	ug/L	- -	<1
Trichlorotrifluoroethane	ug/L	- -	<1
Vinyl chloride	ug/L	- -	<1
Total VOCs	ug/L	100	30.3
Inorganic Constituents - USEPA SW-846 Methods 6010, 7470, & 9012			
Cadmium	ug/L	2,000	<1
Chromium	ug/L	8,000	<1
Copper	ug/L	5,000	<5
Total Cyanide	ug/L	- -	30
Lead	ug/L	1,000	<2
Mercury	ug/L	0.8	<0.2
Nickel	ug/L	5,000	2
Zinc	ug/L	5,000	24

TABLE 12
TREATED WATER ANALYTICAL RESULTS

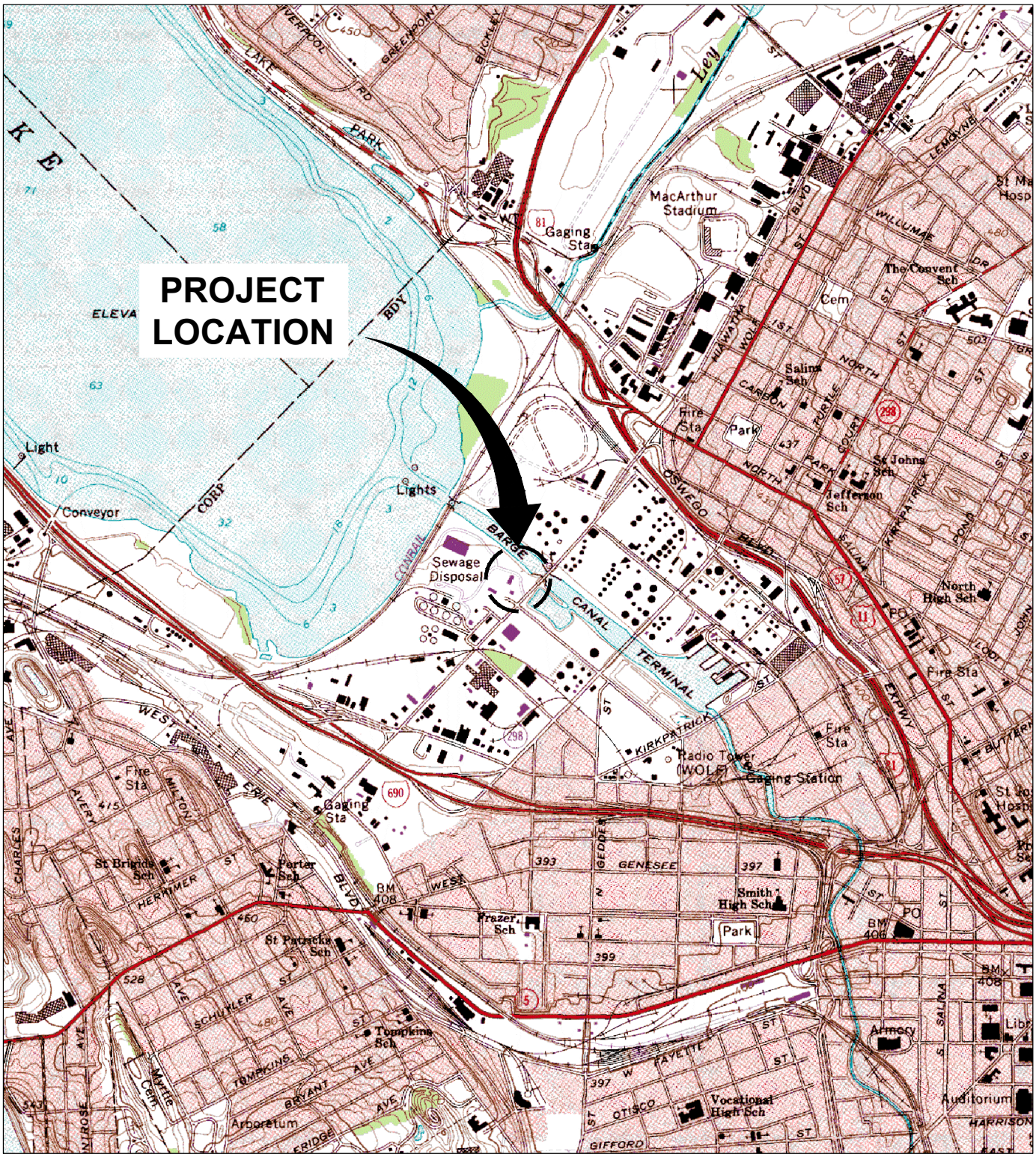
NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK

Compound/ Parameter	Units	OCDWEP Allowable Effluent Concentrations (No Exceedances)	Effluent-1
Additional Parameters - USEPA/Standard Test Methods			
Chloride	ug/L	- -	312,000
Oil and Grease by EPA 1664	ug/L	150,000	<1,400
pH	SU	5.5 - 10.5	7.67

Notes:
1. Sample was collected by LAND Remediation, Inc. on May 11, 2012.
2. Laboratory analysis was performed by Phoenix Environmental Laboratories, Inc. of Manchester, CT.
3. PCBs = Polychlorinated biphenyls.
4. VOCs = Volatile organic compounds.
5. USEPA = United States Department of Environmental Protection.
6. OCDWEP = Onondaga County Department of Water Environment Protection.
7. Units are defined as follows:
   ug/L = micrograms per liter, which is equivlant to parts per billion (ppb).
   SU = standard units (for pH).
8. < - Constituent not detected at a concentration above the reported detection limit.
9. OCDWEP Allowable Effluent Concentrations are from the OCDWEP document titled "Proecedures Governing the Acceptance of Groundwater and Other Contaminated Wastewater" updated on January 4, 2008.
10. The data were not validated.

ARCADIS

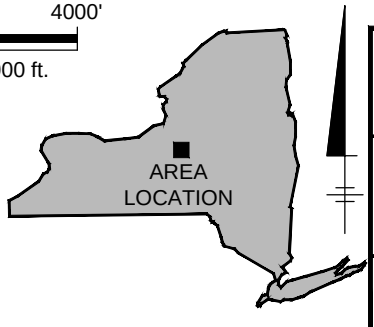
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., SYRACUSE WEST, NEW YORK, 1973, PHOTOREVISED 1978.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



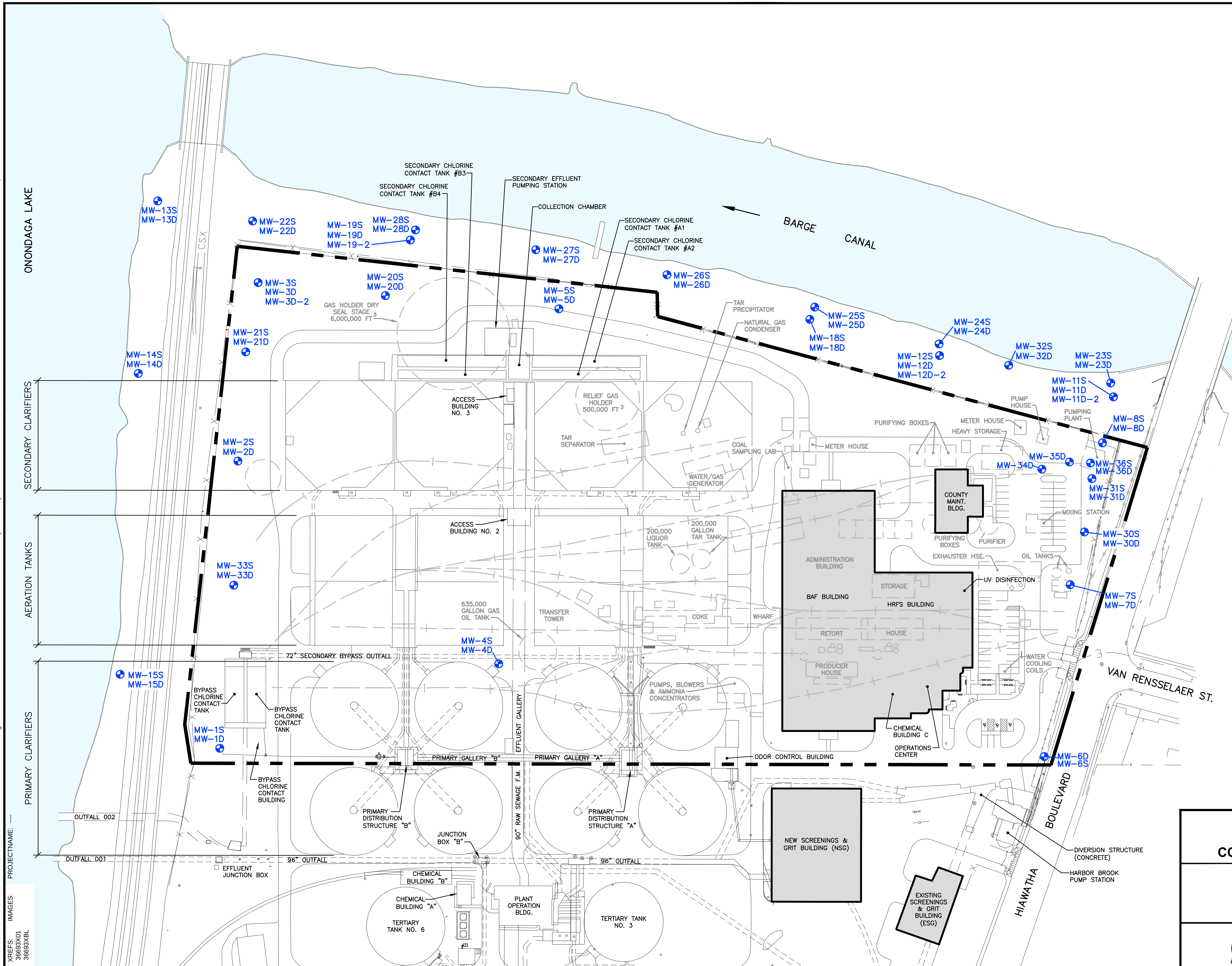
NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

CITY: SYRACUSE NY DIV/GROUP: ENVCAD DB: E. KRAHMER PIC: T. YOUNG PM/TM: J. BRUSSEL TR: R. HENSEL LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVITY\B003669\3000\10000\10\DWG\366693N01.dwg LAYOUT: 1 SAVED: 3/14/2013 1:47 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: C-PA-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/14/2013 1:51 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ---
NY_Syracuse_West.tif


ONONDAGA LAKE
BARGE CANAL
CSX
SECONDARY CLARIFIERS
AERATION TANKS
PRIMARY CLARIFIERS
MW-13S
MW-13D
MW-22S
MW-22D
MW-19S
MW-19D
MW-19-2
MW-28S
MW-28D
MW-27S
MW-27D
MW-26S
MW-26D
MW-3S
MW-3D
MW-3D-2
MW-20S
MW-20D
MW-5S
MW-5D
MW-25S
MW-25D
MW-18S
MW-18D
MW-24S
MW-24D
MW-12S
MW-12D
MW-12D-2
MW-32S
MW-32D
MW-23S
MW-23D
MW-11S
MW-11D
MW-11D-2
MW-8S
MW-8D
MW-35D
MW-34D
MW-36S
MW-36D
MW-31S
MW-31D
MW-30S
MW-30D
MW-7S
MW-7D
MW-6D
MW-6S
MW-21S
MW-21D
MW-14S
MW-14D
MW-2S
MW-2D
MW-33S
MW-33D
MW-4S
MW-4D
MW-15S
MW-15D
MW-1S
MW-1D
SECONDARY CHLORINE CONTACT TANK #B3
SECONDARY CHLORINE CONTACT TANK #B4
SECONDARY EFFLUENT PUMPING STATION
COLLECTION CHAMBER
SECONDARY CHLORINE CONTACT TANK #A1
SECONDARY CHLORINE CONTACT TANK #A2
GAS HOLDER DRY SEAL STAGE 6,000,000 FT3
TAR PRECIPITATOR
NATURAL GAS CONDENSER
ACCESS BUILDING NO. 3
RELIEF GAS HOLDER 500,000 FT3
TAR SEPARATOR
COAL SAMPLING LAB
METER HOUSE
PURIFYING BOXES
METER HOUSE
HEAVY STORAGE
PUMP HOUSE
PUMPING PLANT
WATER/GAS GENERATOR
COUNTY MAINT. BLDG.
PURIFYING BOXES
PURIFIER
MIXING STATION
EXHAUSTER HSE.
OIL TANKS
UV DISINFECTION
ACCESS BUILDING NO. 2
200,000 LIQUOR TANK
200,000 GALLON TAR TANK
ADMINISTRATION BUILDING
BAF BUILDING
STORAGE
HRFS BUILDING
635,000 GALLON GAS OIL TANK
TRANSFER TOWER
COKE
WHARF
RETORT
HOUSE
PRODUCER HOUSE
WATER COOLING COILS
72" SECONDARY BYPASS OUTFALL
PUMPS, BLOWERS & AMMONIA CONCENTRATORS
BYPASS CHLORINE CONTACT TANK
BYPASS CHLORINE CONTACT TANK
EFFLUENT GALLERY
PRIMARY GALLERY "B"
PRIMARY GALLERY "A"
ODOR CONTROL BUILDING
CHEMICAL BUILDING C
OPERATIONS CENTER
VAN RENSSELAER ST.
BYPASS CHLORINE CONTACT BUILDING
90" RAW SEWAGE F.M.
PRIMARY DISTRIBUTION STRUCTURE "B"
PRIMARY DISTRIBUTION STRUCTURE "A"
JUNCTION BOX "B"
OUTFALL 002
OUTFALL 001
96" OUTFALL
96" OUTFALL
EFFLUENT JUNCTION BOX
NEW SCREENINGS & GRIT BUILDING (NSG)
BOULEVARD
HIAWATHA
DIVERSION STRUCTURE (CONCRETE)
HARBOR BROOK PUMP STATION
CHEMICAL BUILDING "B"
CHEMICAL BUILDING "A"
TERTIARY TANK NO. 6
PLANT OPERATION BLDG.
TERTIARY TANK NO. 3
EXISTING SCREENINGS & GRIT BUILDING (ESG)

LEGEND:

- MW-1D — MONITORING WELL
- BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE
- FORMER MGP STRUCTURES

NOTES:

1. BASE MAP DEVELOPED FROM FIGURE TITLED "SITE PLAN" FOR THE METROPOLITAN SYRACUSE WASTEWATER TREATMENT PLANT STAGE III AMMONIA AND STAGE II PHOSPHOROUS REMOVAL PROJECT, PREPARED BY ENVIRONMENTAL ENGINEERING ASSOCIATES, LLP, DATED APRIL 2001 (FIGURE NO. G-008).
2. BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE FROM FIGURE TITLED PROPERTY PLAN, THE SYRACUSE LIGHTING COMPANY, INC., HIAWATHA STREET PROPERTY AND ADJOINING LANDS" AT A SCALE OF 1" = 50', UNDATED.
3. FORMER MGP STRUCTURES ARE BASED ON SANBORN MAPPING DATED 1950.
4. MONITORING WELL LOCATIONS ARE BASED ON SURVEY PERFORMED BY BRYANT ASSOCIATES OF SYRACUSE, NEW YORK AND ARCADIS OF NEW YORK, INC.

0 150' 300'

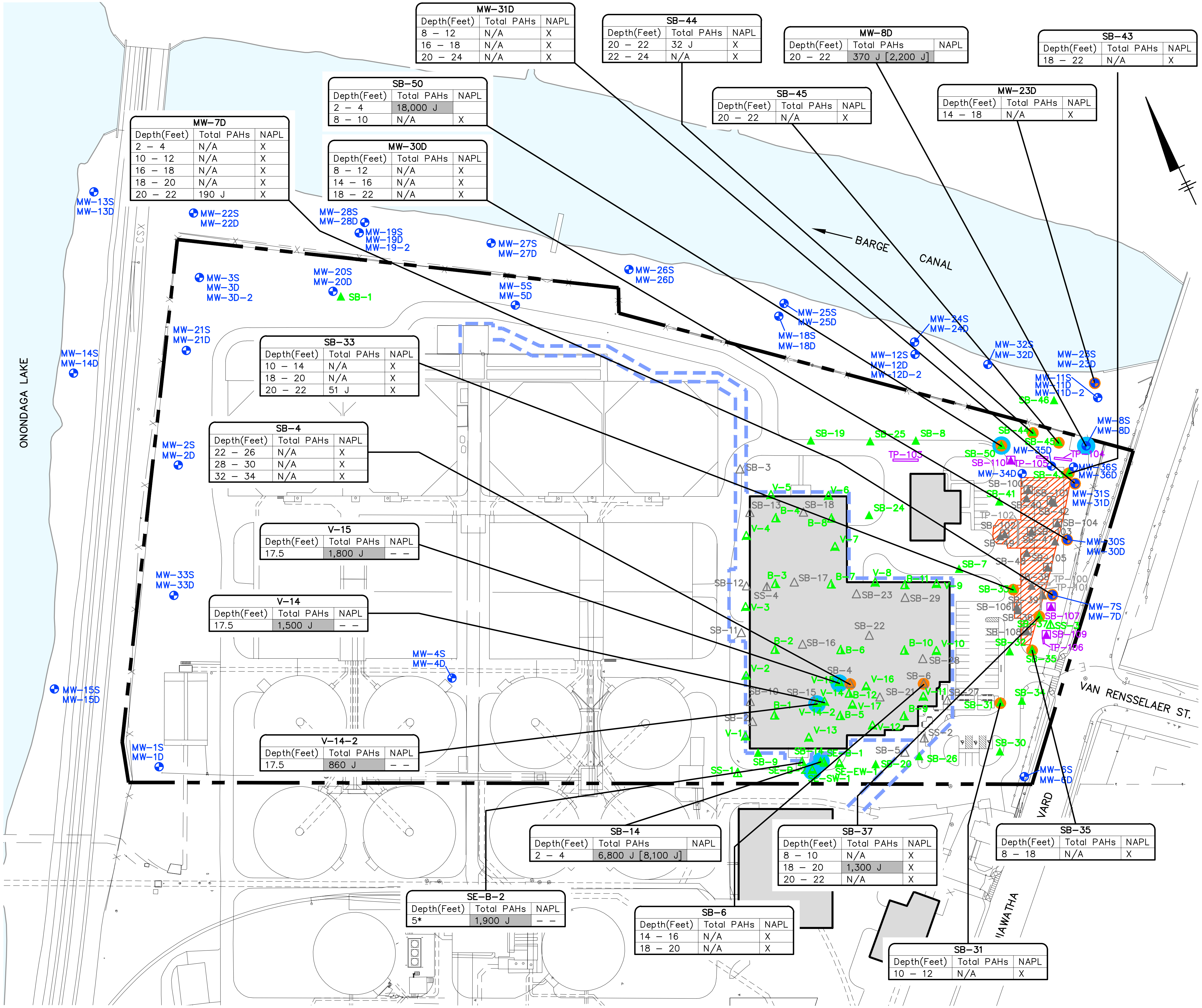
GRAPHIC SCALE

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

SITE LAYOUT AND FORMER MGP STRUCTURES

ARCADIS

FIGURE
2



MW-31D		
Depth(Feet)	Total PAHs	NAPL
8 – 12	N/A	X
16 – 18	N/A	X
20 – 24	N/A	X

SB-44		
Depth(Feet)	Total PAHs	NAPL
20 – 22	32 J	X
22 – 24	N/A	X

MW-8D		
Depth(Feet)	Total PAHs	NAPL
20 – 22	370 J [2,200 J]	

SB-43		
Depth(Feet)	Total PAHs	NAPL
18 – 22	N/A	X

SB-50		
Depth(Feet)	Total PAHs	NAPL
2 – 4	18,000 J	
8 – 10	N/A	X

SB-45		
Depth(Feet)	Total PAHs	NAPL
20 – 22	N/A	X

MW-23D		
Depth(Feet)	Total PAHs	NAPL
14 – 18	N/A	X

MW-7D		
Depth(Feet)	Total PAHs	NAPL
2 – 4	N/A	X
10 – 12	N/A	X
16 – 18	N/A	X
18 – 20	N/A	X
20 – 22	190 J	X

MW-30D		
Depth(Feet)	Total PAHs	NAPL
8 – 12	N/A	X
14 – 16	N/A	X
18 – 22	N/A	X

SB-33		
Depth(Feet)	Total PAHs	NAPL
10 – 14	N/A	X
18 – 20	N/A	X
20 – 22	51 J	X

SB-4		
Depth(Feet)	Total PAHs	NAPL
22 – 26	N/A	X
28 – 30	N/A	X
32 – 34	N/A	X

V-15		
Depth(Feet)	Total PAHs	NAPL
17.5	1,800 J	– –

V-14		
Depth(Feet)	Total PAHs	NAPL
17.5	1,500 J	– –

V-14-2		
Depth(Feet)	Total PAHs	NAPL
17.5	860 J	– –

SB-14		
Depth(Feet)	Total PAHs	NAPL
2 – 4	6,800 J [8,100 J]	

SB-37		
Depth(Feet)	Total PAHs	NAPL
8 – 10	N/A	X
18 – 20	1,300 J	X
20 – 22	N/A	X

SB-35		
Depth(Feet)	Total PAHs	NAPL
8 – 18	N/A	X

SE-B-2		
Depth(Feet)	Total PAHs	NAPL
5*	1,900 J	– –

SB-6		
Depth(Feet)	Total PAHs	NAPL
14 – 16	N/A	X
18 – 20	N/A	X

SB-31		
Depth(Feet)	Total PAHs	NAPL
10 – 12	N/A	X

LEGEND:

- MW-11S — MONITORING WELL
- SB-24 — SOIL BORING LOCATION
- SB-107 — PDI SOIL BORING LOCATION
- SB-100 — PDI SOIL BORING LOCATION WHERE SOIL WAS REMOVED OR SOLIDIFIED DURING ISS REMEDIAL ACTION
- TP-104 — PDI TEST PIT LOCATION
- TP-100 — PDI TEST PIT LOCATION WHERE SOIL WAS REMOVED OR SOLIDIFIED DURING ISS REMEDIAL ACTION
- SB-36 — LOCATION WHERE SOIL WAS REMOVED OR SOLIDIFIED DURING ISS REMEDIAL ACTION
- SB-16 — SOIL BORING LOCATION WHERE SOIL WAS REMOVED AS PART OF THE IRM
- SS-1 — SURFACE SOIL SAMPLING LOCATION
- SS-2 — SURFACE SOIL SAMPLING LOCATION WHERE SOIL WAS REMOVED AS PART OF THE IRM
- V-7 — SOIL REMOVAL IRM POST-EXCAVATION SIDE WALL SAMPLE
- B-10 — SOIL REMOVAL IRM POST-EXCAVATION BOTTOM SAMPLE
- IN-SITU SOIL SOLIDIFICATION LIMITS
- BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE
- LIMITS OF IRM SOIL REMOVAL
- PAH ANALYTICAL RESULT > 500 ppm
- NAPL OBSERVED IN SOIL

NOTES:

1. BASE MAP DEVELOPED FROM FIGURE TITLED "SITE PLAN" FOR THE METROPOLITAN SYRACUSE WASTEWATER TREATMENT PLANT STAGE III AMMONIA AND STAGE II PHOSPHOROUS REMOVAL PROJECT, PREPARED BY ENVIRONMENTAL ENGINEERING ASSOCIATES, LLP, DATED APRIL 2001 (FIGURE NO. G-008).
2. MONITORING WELL LOCATIONS ARE BASED ON SURVEY PERFORMED BY BRYANT ASSOCIATES OF SYRACUSE, NEW YORK AND ARCADIS OF NEW YORK, INC.
3. SOIL BORING AND SURFACE SOIL SAMPLING LOCATIONS ARE APPROXIMATE.
4. IRM = INTERIM REMEDIAL MEASURE.
5. PDI SOIL BORINGS AND TEST PIT LOCATIONS ARE BASED ON SURVEY PERFORMED BY ARCADIS OF SYRACUSE, NEW YORK.
6. BOUNDARY OF FORMER MGP SITE FROM FIGURE TITLED "PROPERTY PLAN, THE SYRACUSE LIGHTING COMPANY, INC., HIAWATHA STREET PROPERTY & ADJOINING LANDS," AT A SCALE OF 1"=50" UNDATED.
7. SOIL REMOVED DURING THE IRM (CONDUCTED FROM 2001 TO 2003) WAS EXCAVATED TO AN APPROXIMATE DEPTH OF 15 FEET BGS, EXCEPT IN THE VICINITY OF SB-4, WHERE SOIL WAS EXCAVATED TO AN APPROXIMATE DEPTH OF 20 FEET BGS.
8. SOIL BORING SB-100 THROUGH SB-110 WERE NOT ANALYZED FOR TOTAL POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs).
9. X = INDICATES THAT VISUAL EVIDENCE OF NAPL WAS IDENTIFIED IN THE SOIL INTERVAL.
10. N/A = A SAMPLE WAS NOT COLLECTED FOR THE SOIL INTERVAL.
11. -- = VISUAL OBSERVATIONS OF THE SAMPLE WERE NOT CONDUCTED.
12. * = DEPTH OF SAMPLE IS ESTIMATED BASED ON CONTRACT DRAWING G-024 FROM "SITE PREPARATION FOR STAGE III AMMONIA AND STAGE II PHOSPHORUS REMOVAL PROJECT METROPOLITAN SYRACUSE WWTP" DATED APRIL 4, 2001.
13. THE INFORMATION SHOWN HEREON FOR THE ISS LIMITS IS BASED ON A FIELD SURVEY COMPLETED BY THEW ASSOCIATES, PE-LS, PLLC (THEW) ON SEPTEMBER 17, 2012.

0 150' 300'
GRAPHIC SCALE

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

DISTRIBUTION OF PAHs AND NAPL IN UNSATURATED SOIL

ARCADIS

FIGURE 3

CITY: SYRACUSE NY DIV/GROUP: ENVCAD DB: E. KRAHMER LD: E. KRAHMER PIC: T. YOUNG PM/TM: J. BRUSSEL TR: R. HENSEL LYR:(Opt)ON=*;OFF=*REF*
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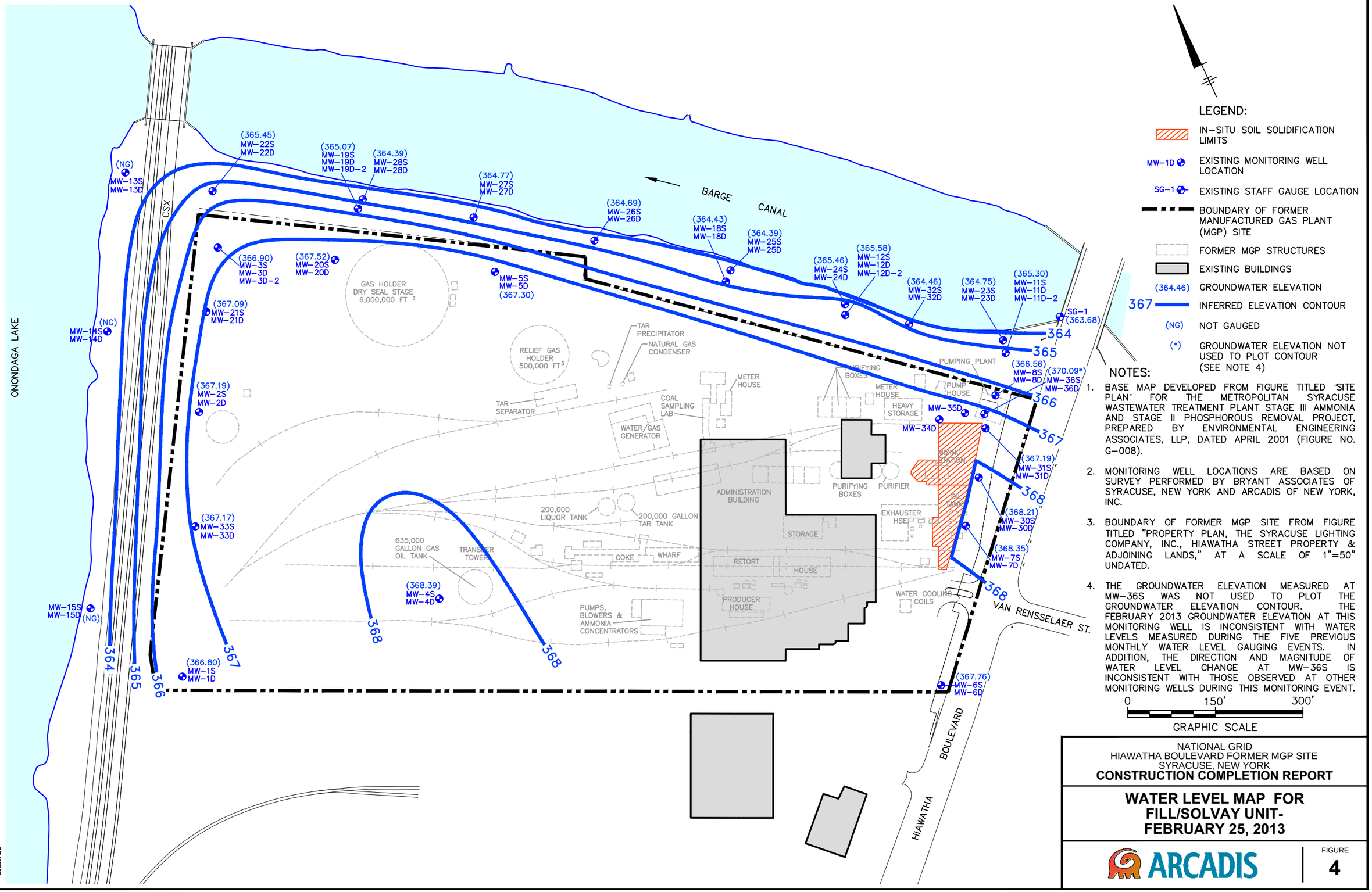

LEGEND:

- IN-SITU SOIL SOLIDIFICATION LIMITS
- MW-1D — EXISTING MONITORING WELL LOCATION
- SG-1 — EXISTING STAFF GAUGE LOCATION
- BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE
- FORMER MGP STRUCTURES
- EXISTING BUILDINGS
- (364.46) GROUNDWATER ELEVATION
- 367 — INFERRED ELEVATION CONTOUR
- (NG) NOT GAUGED
- (*) GROUNDWATER ELEVATION NOT USED TO PLOT CONTOUR (SEE NOTE 4)

NOTES:

1. BASE MAP DEVELOPED FROM FIGURE TITLED "SITE PLAN" FOR THE METROPOLITAN SYRACUSE WASTEWATER TREATMENT PLANT STAGE III AMMONIA AND STAGE II PHOSPHOROUS REMOVAL PROJECT, PREPARED BY ENVIRONMENTAL ENGINEERING ASSOCIATES, LLP, DATED APRIL 2001 (FIGURE NO. G-008).
2. MONITORING WELL LOCATIONS ARE BASED ON SURVEY PERFORMED BY BRYANT ASSOCIATES OF SYRACUSE, NEW YORK AND ARCADIS OF NEW YORK, INC.
3. BOUNDARY OF FORMER MGP SITE FROM FIGURE TITLED "PROPERTY PLAN, THE SYRACUSE LIGHTING COMPANY, INC., HIAWATHA STREET PROPERTY & ADJOINING LANDS," AT A SCALE OF 1"=50" UNDATED.
4. THE GROUNDWATER ELEVATION MEASURED AT MW-36S WAS NOT USED TO PLOT THE GROUNDWATER ELEVATION CONTOUR. THE FEBRUARY 2013 GROUNDWATER ELEVATION AT THIS MONITORING WELL IS INCONSISTENT WITH WATER LEVELS MEASURED DURING THE FIVE PREVIOUS MONTHLY WATER LEVEL GAUGING EVENTS. IN ADDITION, THE DIRECTION AND MAGNITUDE OF WATER LEVEL CHANGE AT MW-36S IS INCONSISTENT WITH THOSE OBSERVED AT OTHER MONITORING WELLS DURING THIS MONITORING EVENT.

0 150' 300'

GRAPHIC SCALE

NATIONAL GRID
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SYRACUSE, NEW YORK

CONSTRUCTION COMPLETION REPORT

WATER LEVEL MAP FOR FILL/SOLVAY UNIT- FEBRUARY 25, 2013

ARCADIS

FIGURE 4

CITY: SYRACUSE,NY DIV/GROUP: ENV/M-DV DB: R. BASSETT, P. LISTER, R. BASSETT PM/TM: J. BRUSSEL TR: M. HYSELL LYR:ON=*;OFF=*REF*
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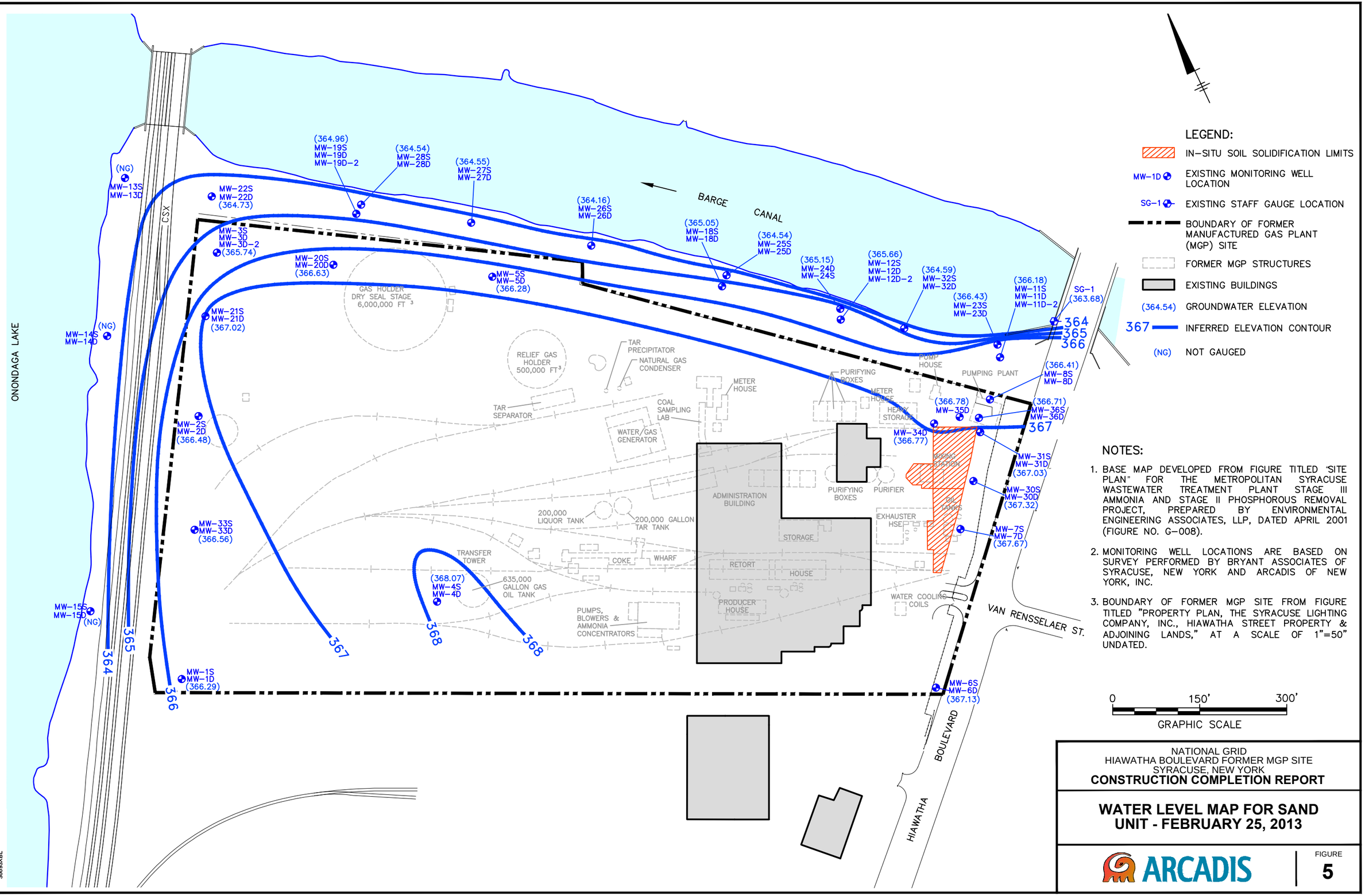

LEGEND:

- IN-SITU SOIL SOLIDIFICATION LIMITS
- MW-1D — EXISTING MONITORING WELL LOCATION
- SG-1 — EXISTING STAFF GAUGE LOCATION
- BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE
- FORMER MGP STRUCTURES
- EXISTING BUILDINGS
- (364.54) — GROUNDWATER ELEVATION
- 367 — INFERRED ELEVATION CONTOUR
- (NG) — NOT GAUGED

NOTES:

1. BASE MAP DEVELOPED FROM FIGURE TITLED "SITE PLAN" FOR THE METROPOLITAN SYRACUSE WASTEWATER TREATMENT PLANT STAGE III AMMONIA AND STAGE II PHOSPHOROUS REMOVAL PROJECT, PREPARED BY ENVIRONMENTAL ENGINEERING ASSOCIATES, LLP, DATED APRIL 2001 (FIGURE NO. G-008).
2. MONITORING WELL LOCATIONS ARE BASED ON SURVEY PERFORMED BY BRYANT ASSOCIATES OF SYRACUSE, NEW YORK AND ARCADIS OF NEW YORK, INC.
3. BOUNDARY OF FORMER MGP SITE FROM FIGURE TITLED "PROPERTY PLAN, THE SYRACUSE LIGHTING COMPANY, INC., HIAWATHA STREET PROPERTY & ADJOINING LANDS," AT A SCALE OF 1"=50" UNDATED.

0 150' 300'

GRAPHIC SCALE

NATIONAL GRID
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SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

WATER LEVEL MAP FOR SAND UNIT - FEBRUARY 25, 2013

ARCADIS

FIGURE 5

CITY: SYRACUSE, NY DIV/GROUP: ENV/IM-DV DB: R. BASSETT, P. LISTER, W.JONES PM/TM: J. BRUSSEL TR: M. HYSELL LYR:ON=*;OFF=*REF*
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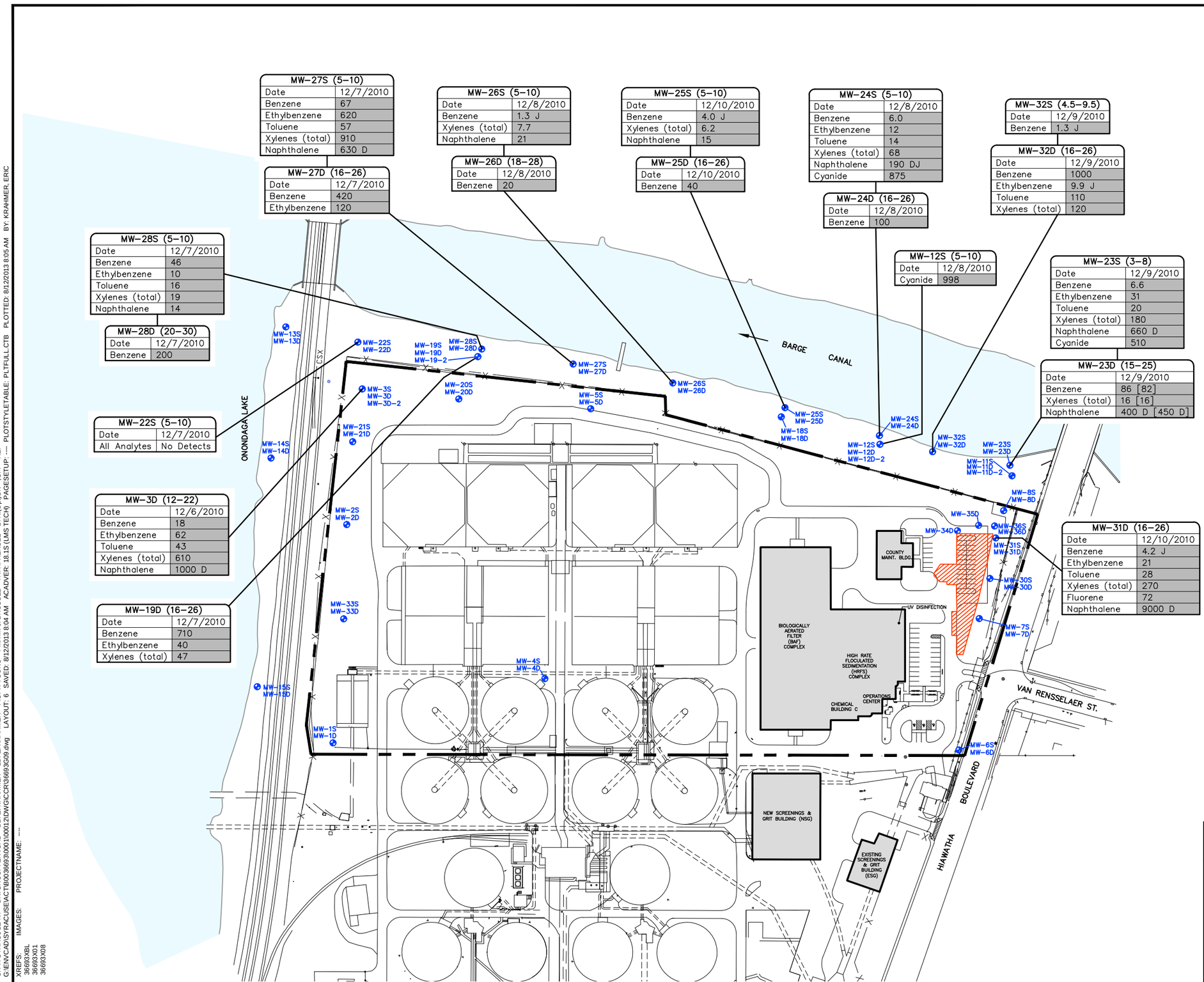

DATA BOX KEY:

NYSDEC TOGS 1.1.1	
Constituent	Standard/Guidance Value
Benzene	1 (Standard)
Ethylbenzene	5 (Standard)
Toluene	5 (Standard)
Xylenes (total)	5 (Standard)
Fluorene	50 (Guidance Value)
Naphthalene	10 (Guidance Value)
Cyanide	200 (Standard)

LEGEND:

- MW-1D — MONITORING WELL
- BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE
- IN-SITU SOIL SOLIDIFICATION LIMITS

NOTES:

1. BASE MAP DEVELOPED FROM FIGURE TITLED "SITE PLAN" FOR THE METROPOLITAN SYRACUSE WASTEWATER TREATMENT PLANT STAGE III AMMONIA AND STAGE II PHOSPHOROUS REMOVAL PROJECT, PREPARED BY ENVIRONMENTAL ENGINEERING ASSOCIATES, LLP, DATED APRIL 2001 (FIGURE NO. G-008).
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3. BOUNDARY OF FORMER MGP SITE FROM FIGURE TITLED "PROPERTY PLAN, THE SYRACUSE LIGHTING COMPANY, INC., HIAWATHA STREET PROPERTY & ADJOINING LANDS," AT A SCALE OF 1"=50" UNDATED.
4. THE INFORMATION SHOWN HEREON FOR THE ISS LIMITS IS BASED ON A FIELD SURVEY COMPLETED BY THEW ASSOCIATES, PE-LS, PLLC (THEW) ON SEPTEMBER 17, 2012.
5. STANDARDS/GUIDANCE VALUES = GROUNDWATER STANDARDS/GUIDANCE VALUES FOR CLASS GA WATER AS PRESENTED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1, DATED JUNE 1998, UPDATED APRIL 2000 AND JUNE 2004.
6. FIGURE SHOWS GROUNDWATER ANALYTICAL RESULTS FOR SAMPLING LOCATIONS WHERE ONE OR MORE CONSTITUENTS WERE IDENTIFIED AT CONCENTRATIONS EXCEEDING THE STANDARDS/GUIDANCE VALUES.
7. SHADING INDICATES THE VALUE EXCEEDS THE NYSDEC TOGS 1.1.1 STANDARD/GUIDANCE VALUE.
8. ALL CONCENTRATIONS ARE PRESENTED IN PARTS PER BILLION (ppb), WHICH IS EQUIVALENT TO MICROGRAMS PER LITER (ug/L).
9. FIELD DUPLICATE VALUES ARE PRESENTED IN BRACKETS [ ].
10. J = INDICATES THAT THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION.
11. D = COMPOUND QUANTITATED USING A SECONDARY DILUTION. SURROGATE OR MATRIX SPIKE RECVOVERIES WERE NOT OBTAINED BECAUSE THE EXTRACT WAS DILUTED FOR ANALYSIS.
12. DATA IN PARENTHESIS ( ) INDICATES SCREENED INTERVAL BELOW GROUND SURFACE.
13. ISS = IN-SITU SOIL SOLIDIFICATION.

0 200' 400'

GRAPHIC SCALE

NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

PRE-ISS GROUNDWATER ANALYTICAL RESULTS EXCEEDING STANDARDS / GUIDANCE VALUES (ppb)

ARCADIS

FIGURE 6

CITY: SYRACUSE,NY DIVGROUP: ENVCAD DB: E. KRAHMER LD: E. KRAHMER PIC: T. YOUNG PMTM: J. BRUSSEL TR: R. HENSEL LYR:(On)N=*OFF=*REF*
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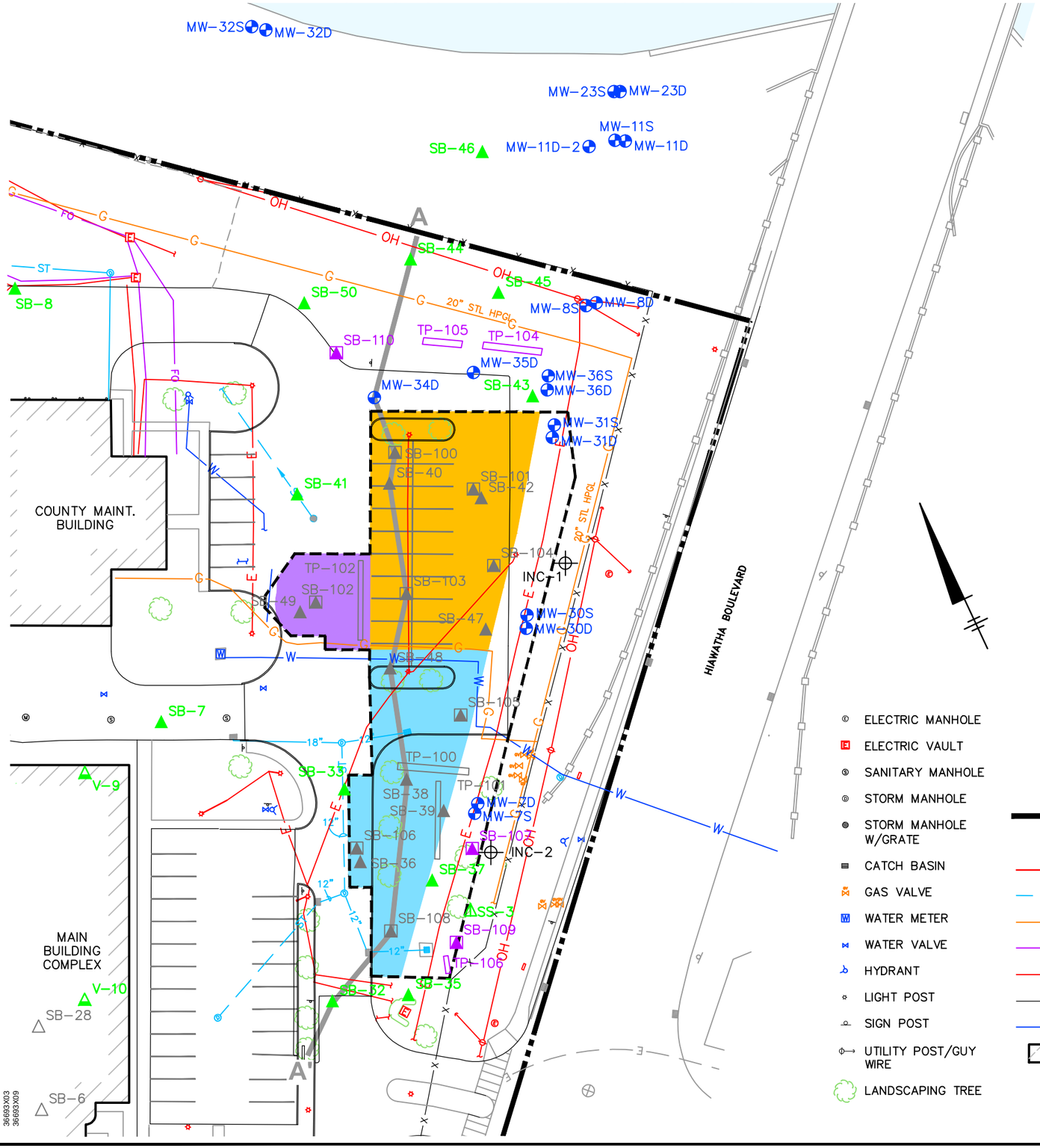

LEGEND:

- A — A' LINE OF CROSS SECTION
- ISS AREA 1 – EXCAVATION TO 4–FEET BGS AND ISS TO 22–FEET BGS
- ISS AREA 2 – EXCAVATION TO 4–FEET BGS AND ISS TO 24–FEET
- ISS AREA 3 – EXCAVATION TO 4–FEET BGS AND ISS TO 22–FEET BGS
- MW–11S MONITORING WELL
- SB–24 SOIL BORING LOCATION
- SB–107 PDI SOIL BORING LOCATION
- SB–100 PDI SOIL BORING LOCATION WHERE SOIL WAS REMOVED OR SOLIDIFIED DURING ISS REMEDIAL ACTION
- TP–104 PDI TEST PIT LOCATION
- TP–100 PDI TEST PIT LOCATION WHERE SOIL WAS REMOVED OR SOLIDIFIED DURING ISS REMEDIAL ACTION
- SB–36 SOIL BORING LOCATION WHERE SOIL WAS REMOVED OR SOLIDIFIED DURING ISS REMEDIAL ACTION
- SB–16 SOIL BORING LOCATION WHERE SOIL WAS REMOVED AS PART OF THE INTERIM REMEDIAL MEASURE
- SS–1 SURFACE SOIL SAMPLING LOCATION
- V–7 SOIL REMOVAL IRM POST–EXCAVATION SIDE WALL SAMPLE
- B–10 SOIL REMOVAL IRM POST–EXCAVATION BOTTOM SAMPLE
- INC–1 INCLINOMETER
- LIMITS OF ISS IDENTIFIED IN THE RECORD OF DECISION
- BOUNDARY OF FORMER MANUFACTURED GAS PLANT (MGP) SITE
- E ELECTRIC
- ST STORM SEWER
- G NATURAL GAS
- FO FIBER OPTIC CABLE
- OH OVERHEAD UTILITIES
- X X CHAIN LINK FENCE
- W WATER
- EXISTING BUILDING

- ELECTRIC MANHOLE
- ELECTRIC VAULT
- SANITARY MANHOLE
- STORM MANHOLE
- STORM MANHOLE W/GRATE
- CATCH BASIN
- GAS VALVE
- WATER METER
- WATER VALVE
- HYDRANT
- LIGHT POST
- SIGN POST
- UTILITY POST/GUY WIRE
- LANDSCAPING TREE

NOTES:

1. BASE MAP DEVELOPED FROM FIGURE TITLED "SITE PLAN" FOR THE METROPOLITAN SYRACUSE WASTEWATER TREATMENT PLANT STAGE III AMMONIA AND STAGE II PHOSPHOROUS REMOVAL PROJECT, PREPARED BY ENVIRONMENTAL ENGINEERING ASSOCIATES, LLP, DATED APRIL 2001 (FIGURE NO. G–008).
2. BOUNDARY OF FORMER MGP SITE FROM FIGURE TITLED "PROPERTY PLAN, THE SYRACUSE LIGHTING COMPANY, INC., HIAWATHA STREET PROPERTY & ADJOINING LANDS," AT A SCALE OF 1"=50" UNDATED.
3. SOIL BORING, SURFACE SOIL, SOIL REMOVAL IRM POST–EXCAVATION BOTTOM AND SIDE WALL SAMPLING LOCATIONS ARE APPROXIMATE.
4. PDI SOIL BORINGS AND TEST PIT LOCATIONS ARE BASED ON SURVEYS PERFORMED BY ARCADIS OF NEW YORK, INC.
5. MONITORING WELL LOCATIONS ARE BASED ON SURVEY PERFORMED BY BRYANT ASSOCIATES OF SYRACUSE, NEW YORK AND ARCADIS OF NEW YORK, INC.
6. THE INFORMATION SHOWN HEREON FOR THE ISS LIMITS IS BASED ON A FIELD SURVEY COMPLETED BY THEW ASSOCIATES, PE–LS, PLLC (THEW) ON SEPTEMBER 17, 2012.
7. ISS = IN–SITU SOIL SOLIDIFICATION

0 50' 100'
GRAPHIC SCALE

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SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

ISS AREAS AND CROSS SECTION LOCATION MAP

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FIGURE 7

CITY: SYRACUSE,NY DIV/GROUP: ENVCAD DB: E.KRAHMER LD: E.KRAHMER PIC: T.YOUNG PM: J.BRUSSEL TM: M.HYSELL TR: E.LUNN LYR:(ON)=*;OFF=*REF*
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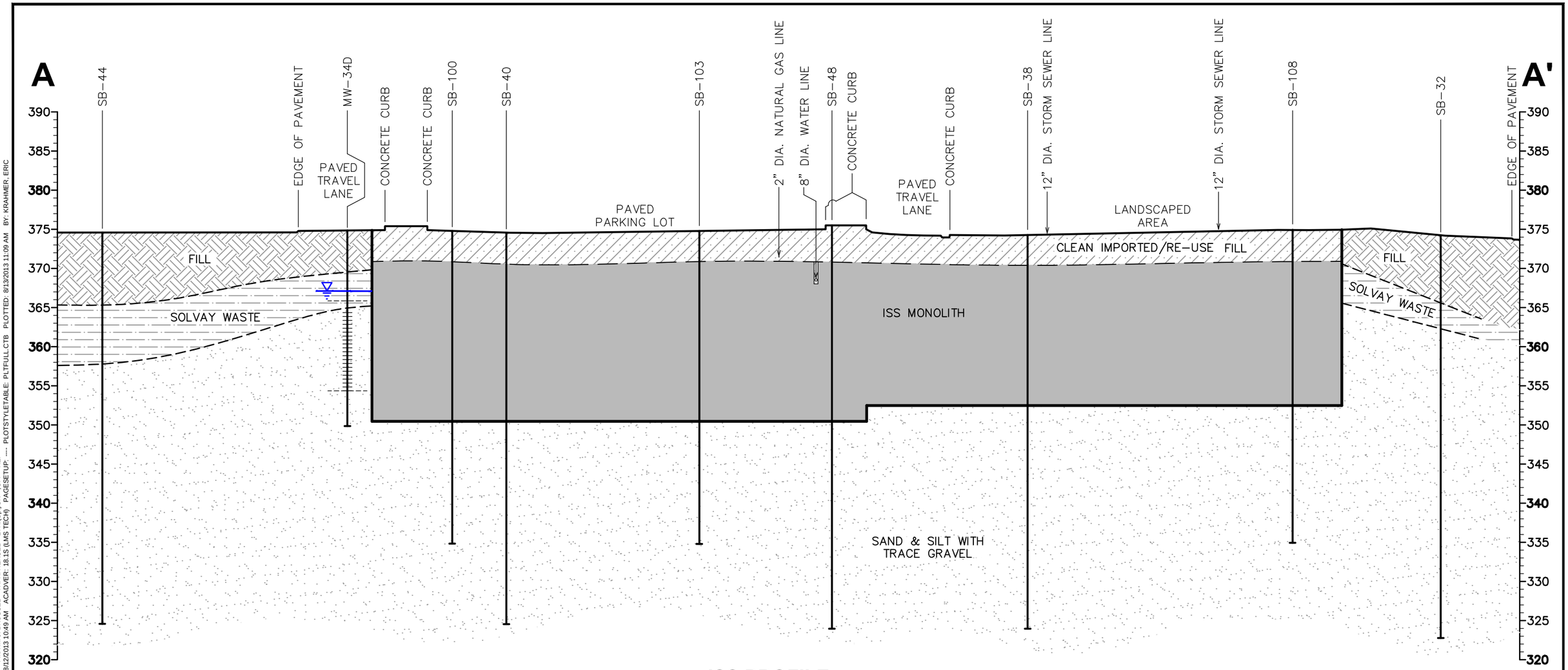
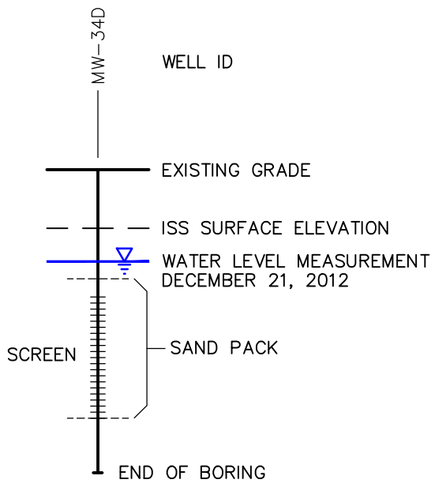
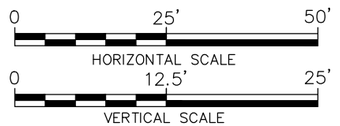




ISS PROFILE

NOTES:

1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM (NAVD) 1988 BASED ON UNITED STATES GEOLOGICAL SURVEY (USGS) MAP #5-34.
2. SOIL LAYERS AND GEOLOGICAL CONTACT LOCATIONS ARE APPROXIMATE AND INFERRED BETWEEN BORING LOCATIONS.
3. ALL BORINGS WERE INSTALLED PRIOR TO COMPLETION OF ISS REMEDIATION. DEPTH OF ISS AREA IS BASED ON SURVEY PROVIDED BY LAND REMEDIATION, INC. COLLECTED VIA TRIMBLE GCS900 GRADE CONTROL SYSTEM ATTACHED TO EXCAVATOR.
4. DEPTH AND WIDTH OF WATER LINE UTILITY TRENCH ARE APPROXIMATE.



NATIONAL GRID
HIAWATHA BOULEVARD FORMER MGP SITE
SYRACUSE, NEW YORK
CONSTRUCTION COMPLETION REPORT

CROSS SECTION A-A'

ARCADIS

FIGURE
8

CITY: SYRACUSE,NY DIV/GROUP: ENVCAD DB: E.KRAHMER LD: E.KRAHMER PIC: T.YOUNG PM/TM: J.BRUSSEL TR: R.HENSEL LYR:(On)ON=*:OFF=*REF*
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